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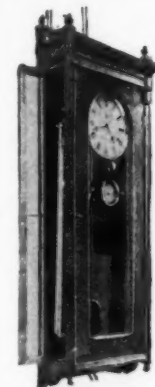
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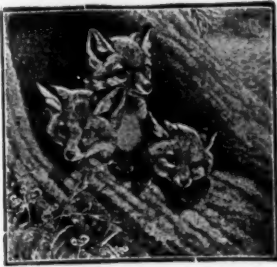
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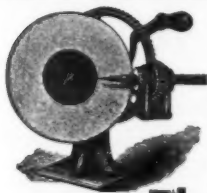
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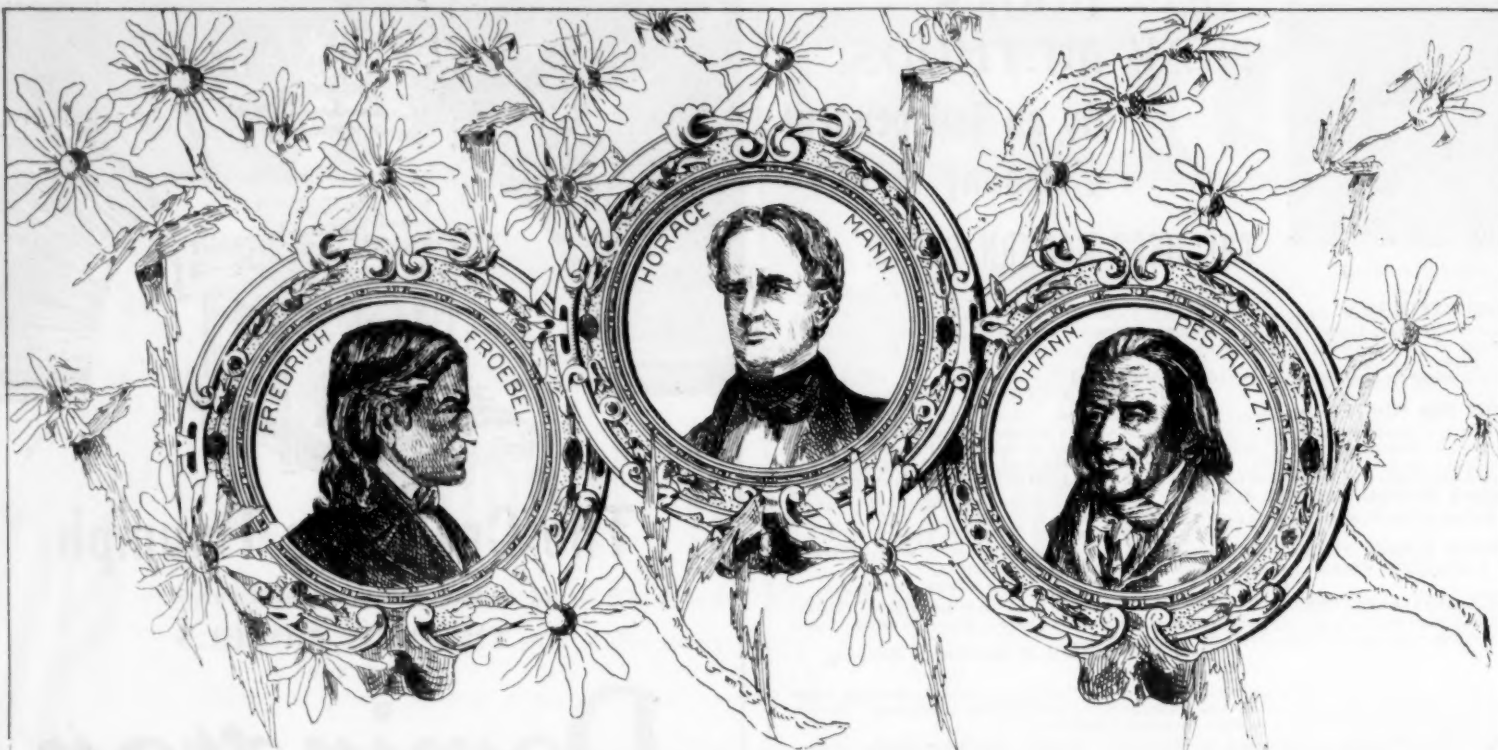
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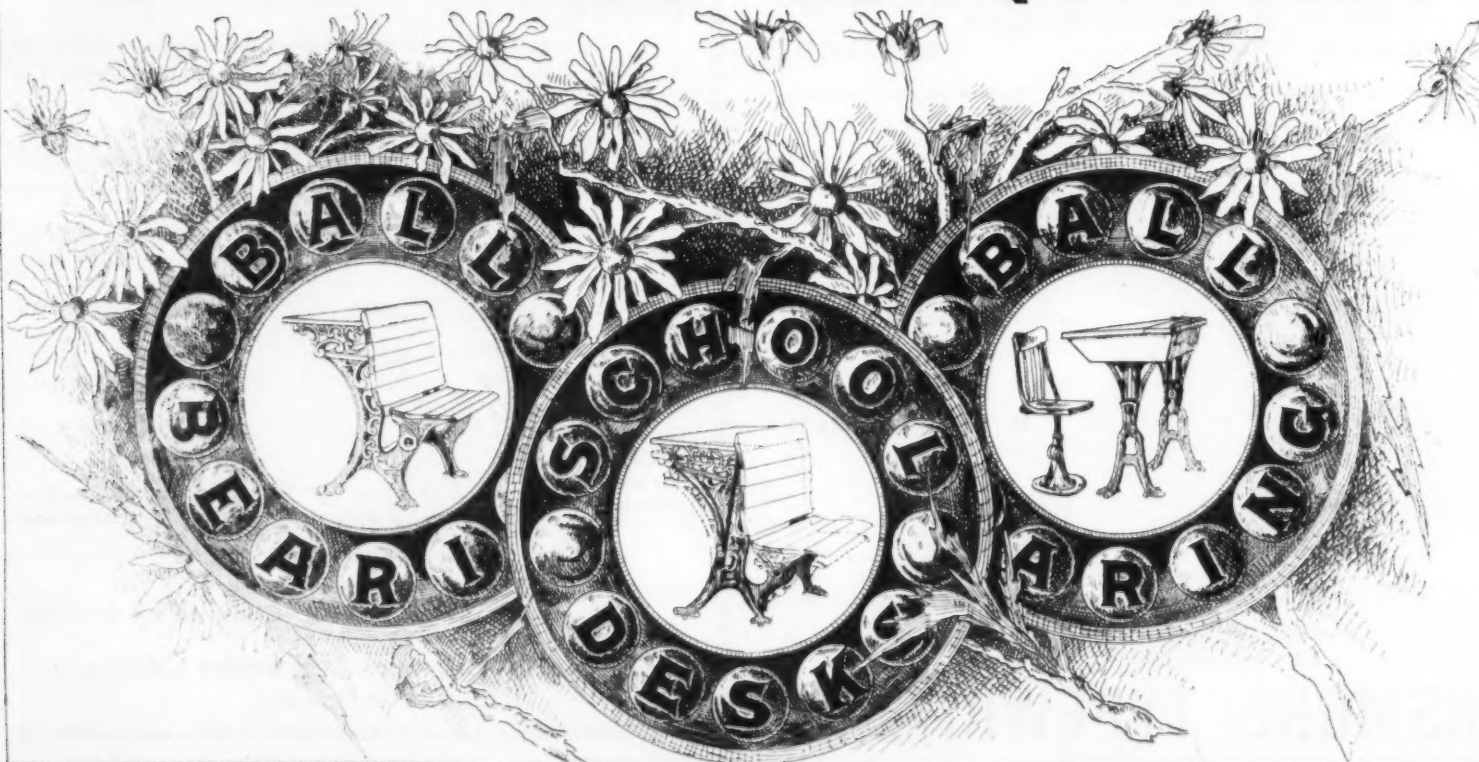
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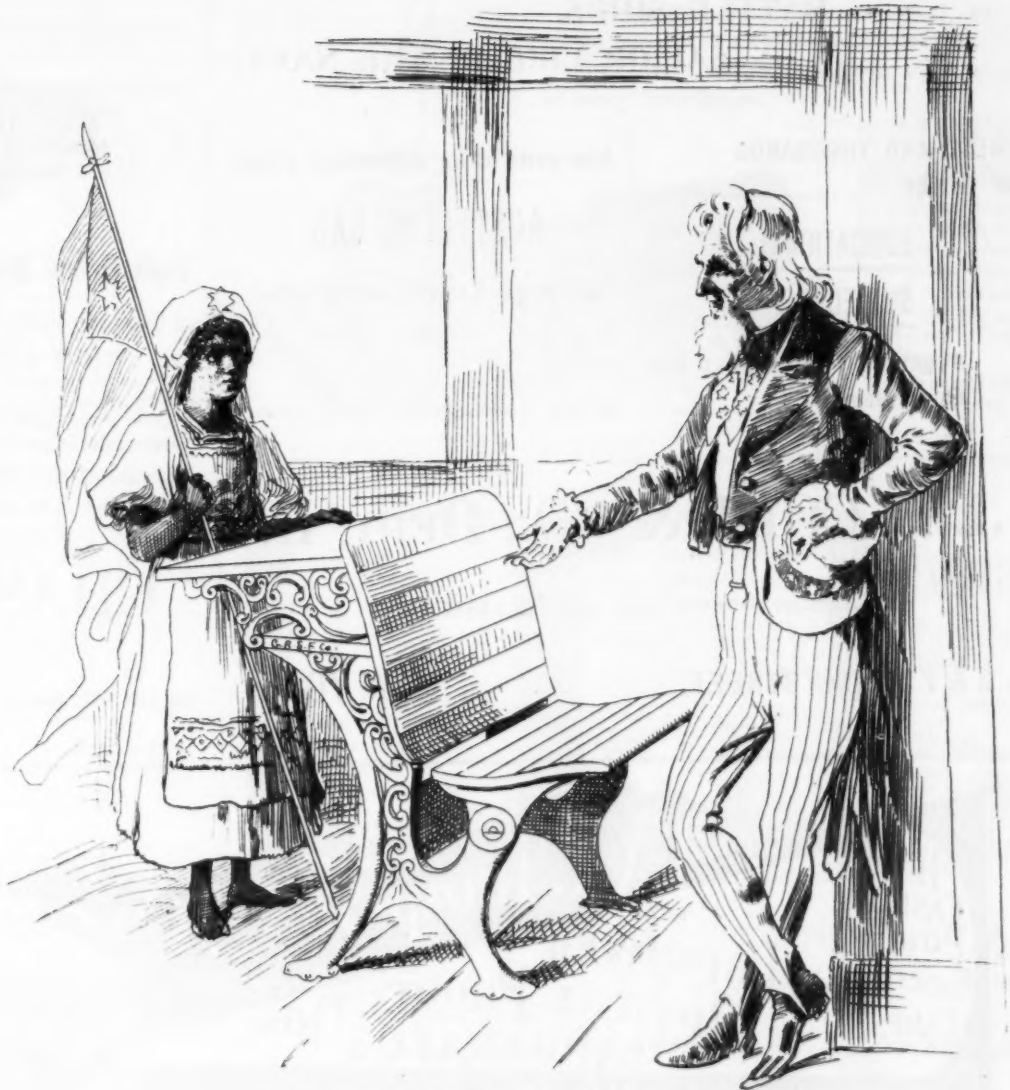
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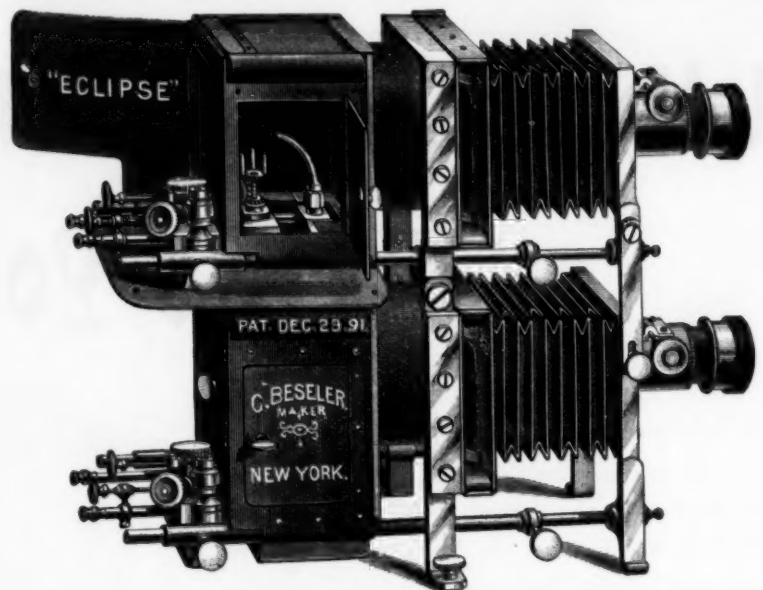
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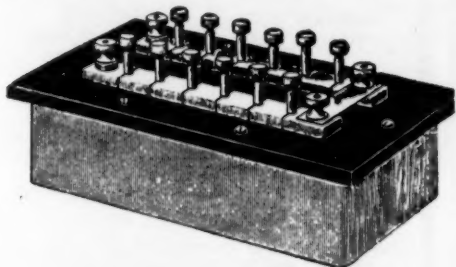
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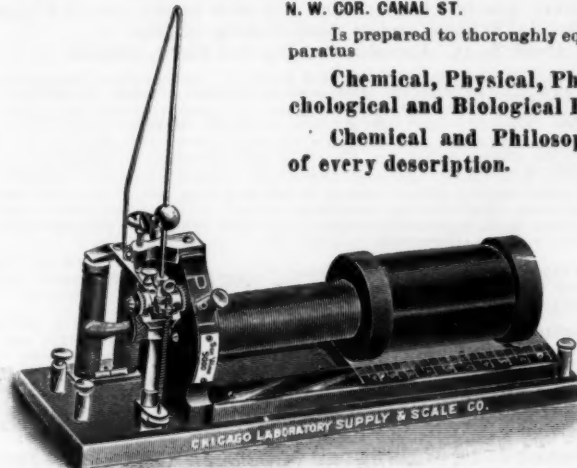
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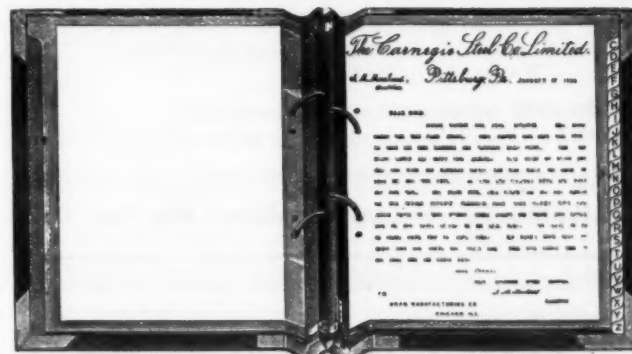
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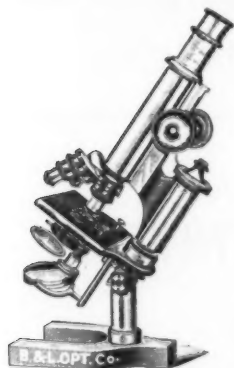
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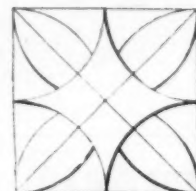
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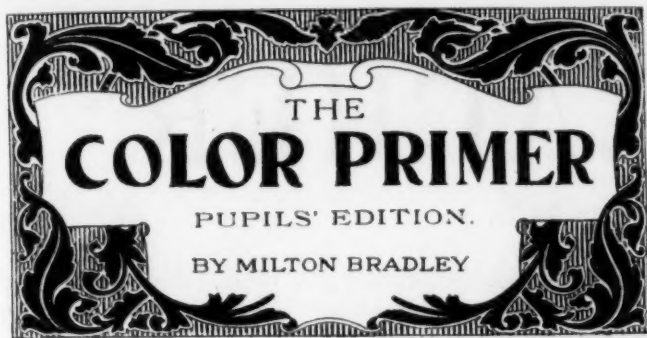
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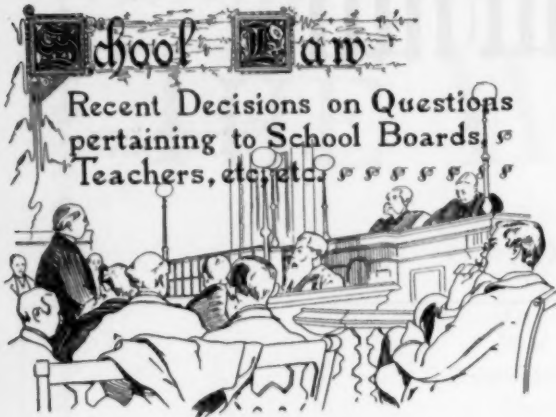
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GETTING READY TO REPORT AT WASHINGTON.

The National Educational Association will meet at Washington, D. C., July 6 to 12. President Greenwood says that if the enemy should come up the Potomac river the association will adjourn just long enough to assist in whipping the Spaniards, and then proceed with the meeting.



Recent Decisions on Questions pertaining to School Boards, Teachers, etc., etc.

Scope of School District.

A school under the control of a school district is not a public department of the state, county, city or village where situated, providing for preferential employment of veterans in every public department of the state, counties, cities and village.—People v. Hayward, N. Y.

Authority of School Boards.

Under its character, giving it power to make regulations to prevent the introduction of contagious diseases, a city passed the ordinances establishing a board of health, prescribing its duty to care for the health of the schools, with authority, after consulting physicians, to suspend from the schools any unvaccinated student, until such student produced a certificate from a duly authorized physician showing that he or she had been vaccinated in accordance with the rules of the state board of health. The board of health passed a resolution that no pupil should be admitted to any school without a certificate of vaccination from an authorized physician. *Held*, that the board of education had the power to adopt an order that no pupil should be admitted to the public schools without evidence of successful vaccination.—Lawbaugh v. Board of Education, Ill.

Chicago. Judge Tuley has handed down a decision holding that the employees of the board of education, with the exception of the members of the board, superintendent and teachers of schools, should be placed under civil service.

The following are important decisions and law in New York State: If a school trustee neglects to see that the law is enforced in his district, the state money may be withheld from said district and the trustee is individually liable to the district for the amount. If a child is detained from school upon account of insufficient clothing, the parents should be required to state such fact and application should be made to the town authorities for aid. The state does not recognize want of clothing as an excuse for absence from school. No board of education has power to excuse a child from regular attendance upon school.

Illinois. The supreme court has decided that a rule adopted by the state board of health, compelling the vaccination of children as a prerequisite to their attending public schools, is unreasonable and cannot be enforced where small pox does not exist in the community and there is no reasonable cause to apprehend its appearance.

Employment of Teachers

The result of a ballot expresses the election of the candidates, and it is not necessary that such election be formally declared.—Lathen v. Campbell, Kans.

Where the members of a school board proceeded with a board meeting after they knew it had been regularly adjourned, their acts are such "official acts" within consolidated school laws, providing that any one aggrieved by decisions of school authorities, "or by any other official act" may appeal to the state superintendent.—In re Light, N. Y.

A district school board cannot make a binding contract for the employment of a teacher prior to the annual school district meeting for a term com-

mencing after such meeting.—Jones v. School Dist. No. 144, Kans.

Where a school board permitted a teacher to enter upon her employment under a contract made with the old board, and paid her the agreed wages, for a portion of the time covered by the contract, they thereby ratified such contract and are bound by it.—Jones v. School District, No. 144, Kans.

Conduct and Discipline of Schools.

A board of education having the charge and control of a system of free schools established by law, and supported by taxation, may suspend from attendance children whose parents, in undertaking to call in question, or interfere with the discipline of a teacher over one of these children, enters the school room during school hours, and, in the presence of the scholars, uses insulting language to such teacher, although none of the children so suspended had been guilty of any violation of the rules of the school.—Board of Education v. Purse, Ga.

New Rules and Regulations.

San Francisco. In view of the criticism made by the Grand Jury the board adopted the following rule: That no committee shall incur any expense against the department, except on a requisition duly signed, as provided for in the rules of the board of education, and all requisitions calling for an expenditure of \$50 or more shall be first submitted to and receive the approval of the chairman of the finance committee. That under the rules of the board of education the finance committee shall adopt such regulations as it may deem necessary for the economical disbursement of the school funds, and no money shall be expended or work performed except in accordance with such regulations. That the finance committee shall exercise general supervision over the books and accounts of the department and see that the same are kept in a businesslike manner, and for this purpose they may adopt such measures as they may deem necessary.

Salt Lake City, Utah. Amendments to the rules of the board adopted, prohibit teachers from sending pupils home for excuses, and prohibiting teachers from sending pupils on errands. Another rule prohibits the taking up of donations from pupils for any purpose, except by permission of the board.

Duluth, Minn. In view of the fact that the supply of teachers is constantly increasing, the board decided that no person shall be employed as teacher in the Duluth schools that is not a graduate in the advanced course of a normal school, and no other applicant shall be employed without having three years' experience in practical teaching in country schools.

Marshalltown, Ia. A rule adopted prohibits any pupil being called to the telephone during school hours, except in cases of sickness.

Utica, N. Y. A fixed rule of the board of education reads as follows: "No teacher shall read or distribute, or permit others to read or distribute, any books, tracts or advertisement, or announce or permit the announcement of any entertainment, or permit subscriptions or contributions for any purpose; nor shall any agent or other person be allowed to exhibit, either to teachers or pupils, any new book, map or apparatus in any of the public schools of the city."

Columbus, O. A rule of the board of education reads as follows: "Book agents, canvassers, solicitors for entertainments, money subscriptions for any purpose whatever, or venders of special articles, are prohibited from plying their calling in any of the school buildings at any hour, whatever, during the day or night. The rule is imperative and any principal and teacher who countenances or encourages a violation of its provisions shall be deemed guilty of a misdemeanor and be punished by reprimand or suspension from duty as the board may direct. Teachers shall give no notices of shows, exhibitions or other public affairs in their schools or take up collections or start any subscriptions of any kind

among the pupils without the consent of the board of education.

Elmira, N. Y. Whenever a pupil is to receive corporal punishment by the principal, the teacher having charge of such pupil must be present.

Syracuse, N. Y. The rules provide for the election of the president of the board of education by majority vote, both he and the other officers to be elected on open ballot.

St. Louis, Mo. The following new rule has been offered for adoption: "Members of the board shall entertain no applications for appointment to the service of the public schools, except for such positions as are filled by the board directly; and they shall make no special recommendations of individuals to the superintendent of instruction or the building commissioner, but shall leave those officers free to exercise their unbiased judgment."

In one hundred and thirty-five towns and cities in Massachusetts teachers are appointed under the tenure of office act, to serve during the pleasure of the committee.

Mount Vernon, N. Y. City Judge Adam E. Shatz believes in cleanliness in schools very properly, and he has resorted to a novel method to enforce it. He has warned parents who allowed their children to go unwashed to school that he will punish them with fines or imprisonment if they do not change their ways or rather the ways of their children.

Traverse City, Mich. The following rules govern the duties of janitors: 1. It shall be the duty of the janitors of the several school buildings of the city, to sweep daily, at the close of school, all the rooms, halls, stairways and piazzas in use by the schools and to remove, upon the following morning, the dust from all school furniture. 2. To wash the floors of the school rooms, halls and stairways during each vacation, and to wash all doors, windows and wainscoting when necessary or when directed by the superintendent. 3. To examine daily into the condition of closets and urinals, sidewalks, fences, and school yards and keep the same in good condition and to report to the superintendent any needed repairs or injury done to any school property. 4. To have all rooms sufficiently warmed for school purposes at 8:30 a. m. during all seasons when fires are necessary. 5. To open the buildings at 8 a. m. when directed and to remain in charge of them until the arrival of the teachers. 6. To keep all walks upon the school premises clean and in good condition. 7. To take charge of and measure all fuel delivered at their respective buildings. 8. To consult with the superintendent respecting the character of the work to be done, and, as far as possible, carry out all suggestions relative to the care of the school property. 9. All janitors shall act as messengers between the office of the superintendent and the schools respectively of which they have charge. 10. All janitors at such time as they may not be engaged in their duties in the school buildings shall be subject to the direction of the board of education.



FIRST TEACHER: Why has the school board put up the "keep off the grass" sign when there are only weeds in the new school house yard?

SECOND TEACHER: The board knew the boys would be certain to run over it then and it would be saved the trouble of having the weeds killed out.

The School Board and The Press.

ADDRESS DELIVERED BY J. R. LOWELL, OF MOBERLY, AT THE CONVENTION OF MISSOURI SCHOOL BOARDS.

I shall treat the school board as representing the public school system and the editor as the main-spring, the active agent and the representative of the power of the press.

I desire, first, to set out what appears to me to be the best and highest duties of these two agents.

The school board, under our law, is a body elected by the people and therefore, in a great many instances, an uncertain and often unknown quantity.

Too often they are chosen without any reference or thought of their qualification for the position or definite idea of the duties they are to perform, and in many instances retired from their office by the time they have become interested in the work and begin to become of some value to the system they are supposed to represent.

Fortunately, this is not true in all places, and boards are continued more or less permanently for numbers of years.

Where this policy prevails, the character and efficiency of the schools speaks volumes for the plan and for the good sense and judgment of the people.

It is the duty of every man elected a member of a school board to put himself in thorough accord with the best interests and highest aims of the institution he represents, and to do this he must give some time, trouble and study to the objects and interests of the system and use his best efforts and endeavor to secure its highest and permanent success.

I hold that any man who will accept a position of this kind with the intention of holding back, retarding or in any wise hindering the advancement and best interests of the institution he took oath to sustain or for the purpose of advancing his own or his family's interest, politically or financially, is not worthy to be called an American citizen, and I know of no words of denunciation too strong to be applied to him.

Politics, denominational religion and relationship should have no place in the deliberations of any self-respecting member of any school board, who has its best interest at heart and understands the true plan of the system for which he acts.

It is unfortunately true that many committees and many members of school boards have yet to acquire and understand the magnificent possibilities, the scope and the true aims of the public school system.

There is possibly some excuse for many of the masses, but in this age there is none for a man who has accepted the position of member of a school board to remain ignorant of his duties nor the interests and the objects of the institution he was elected to uphold, promulgate and help forward to its highest state of perfection.

In this day of Board Associations, Teachers' Associations and of educational papers and periodicals, a man has only to reach out and secure these documents and apply some time to their perusal to soon acquire a knowledge, an interest and an enthusiasm on this subject of which he had little dreamed. He can so have, in a general way, what it has cost men of brains, and of public devotion, years of time, labor and thought.

It has been said that, "As the School so the Community." I am not certain but that the converse is the truer conclusion. I do know that no school can long be maintained whose aim, whose plans, policies and efficiency is far above the sentiment of the people who are called upon to sustain it.

It is the duty of the school boards to keep the

standard of their schools up to the very highest limit of public sentiment in their respective communities.

The boards are the natural leaders along these lines and it becomes their bounden duty to enlist the community and see that they know, and if possible take an interest and lend a helping hand in the efforts, the plans and the best endeavors of the board.

You must arouse and direct public opinion, for as some one has said "With public sentiment on its side everything succeeds; with public sentiment against it nothing succeeds."

But don't make the mistake of allowing morbid public opinion to control you. In the language of Davy Crockett, "Be sure you are right; then go ahead."

Let every man resolve when elected, that, as this is an office without pay, and a matter of pure patriotism, he will, without partiality or prejudice, fear or favor, do what seems to him, with all the facts before him, is best for the institution he was elected to represent and promote, though the heavens fall and he is beaten at the next election.

In doing this, take the people into your confidence; convince them that what is being done is for the best interests of their schools, the welfare of the community, not only educationally but financially.

Use diplomacy and avoid war, but keep moving. Gradually bring the efficiency of your schools up to the standard of excellence attained in communities where the school sentiment has been educated to that degree of public spiritedness and refinement that does not measure all there is in this life by cold sordid dollars.

The Press is on quite a different basis from the school board. It is a private enterprise, undertaken from choice and for profit, and is not elective.

At the same time it is in a sense dependent on the will of the people, though not expressed at the ballot box. To a certain extent it is compelled to trim its sails to meet public opinion.

That is, not to advocate measures far above or beyond the intelligence of the community it expects to serve. To do this is to render the enterprise unprofitable and thus thwart this, as well as all the other objects of its establishment and existence.

There is no individual of any profession or in any walk in life in this country who does more to mould public opinion, direct thought in its proper channel, and inspire the public to its best endeavors and highest achievements, than the true and conscientious editor.

He is one of the most constant and persistent of educators, for he brings every week or every day in the year, his lessons, his thoughts, his truths and his conclusions, into the very center and around the hearth-stone of almost every family in the land; where the same are read, reread and discussed by each and every member of the family circle.

Unconsciously, but nevertheless just as certainly, these ideas, opinions and conclusions become the opinions and conclusions of the members of the family—that integral part of the masses of our great country, which lies at the bottom and forms the foundation of our national strength. This fact becomes a very important factor in this country, where the elective franchise is extended to every man without educational or property qualifications.

The influence of the editor over public opinion is beyond measure, for he reaches every strata of society; the mature minds as well as the young and plastic mind of the youth in the heart of every

family. Even in the distant district, when the county paper in its weekly rounds comes to many families as the only literary gem that breaks the monotony of that far-away home, here are his teachings planted on virgin soil.

It has been truly said: "Let me write the songs of the nation and I care not who makes the laws." It might well be said, "Let me edit the papers of the land and I will make the laws and dictate the policies."

The power and influence of the press has been recognized from almost the first days of its birth. Nothing could more conclusively prove this, than that in the early days of its existence and for many years thereafter, it was found necessary for Kingdoms and Powers to appoint Censors of the Press; whose duty it was to see that nothing was presented to the public mind which would detract from or censure the reigning power or tend toward freedom of thought and action.

That its power is still recognized by the men of this day and age is clearly evidenced by the extraordinary efforts of political parties and individuals to control its influence and secure its endorsement.

It is a proposition too self evident to require argument. I call attention to this fact for the purpose of showing that this is an agent needed and essential to promote the cause of free schools for which we labor.

Having noticed some of the powers, duties and possibilities of these two agents, we naturally are led to inquire if they cannot be made to work in double harness, as it were. Their efforts be united in the same direction for their mutual benefit, and like the bundle of sticks, be the stronger by being tied together.

We know in many places the relation between the school board and the press is not very cordial and we are led to believe that, "They are of no Kin," as we say in Missouri or, if so, it is of the mother-in-law variety.

Too often the one is the plaintiff, the other the defendant, and harmony prevaileth not.

In other places, it seems to be a sort of ex-parte proceeding—a case wherein nobody takes much interest; that is, it is too harmonious for healthy improvement.

In other communities we find that the school board and press are co-plaintiffs, and narrowness, parsimony, prejudice and illiterary are the defendants.

In this case there is no misjoinder of parties; the issues are made up, the plaintiffs have the law and the facts, and there will be no question as to the verdict.

Are not these two forces, free schools and free press, dependent one upon the other? Without education, knowledge and refinement among the masses, the press could not long exist in its present state of prosperity and power.

Therefore, it would seem that the success of the press is proportional to the numbers and efficiency of the public schools in the country it expects to serve.

I am quite confident the press of this country fully recognize these facts and is anxious and willing to forward the interest of the free school system and can be relied upon to do its part.

As far as my experience and observation goes, the editors of this state are ardent advocates of the free school system, as they certainly should be, for they constitute a body of men of the broadest views, of the clearset conception of fairness and justice, and of that liberality of mind and heart that go to make up the best and most advanced citizenship of this age.

I am convinced that the failure to secure a closer union of these two forces lies with the school boards.

The press is powerless unless the boards do their part. The boards must take the initiative; have clear and well defined plans and endeavor with all possible assistance to carry them through to permanent success.

In doing this it is sometimes well to make haste slowly and not attempt to make too radical changes, nor expect to place in operation a perfect system in an entirely hostile community.

FOR BUSY SUPERINTENDENTS



Wilmington, Del. David W. Harlan has been given a vacation by the board of education, and \$500 to defray traveling expenses. He has been twenty-six years in service of the board.

Los Angeles. The board of education overruled the objection of the City Auditor in the matter of superintendent Foshay's demand for \$150.17—expenses incurred on the trip of superintendent Foshay to Milwaukee, last July, to attend the N. E. A. meeting.

Superintendent Griffiths, of Utica, N. Y., has made a rather curious experiment by asking 3,000 school children to answer in writing, without giving their names, the question whether it is right or wrong for one pupil to "tell on" another. About two-thirds of the boys, and three-quarters of the girls answered that it is right to tell.

Cincinnati, O. Superintendent Morgan is planning to institute entertainments annually or semi-annually in all the schools, for no other purpose than that of creating and fostering a closer relationship between teachers and parents.

New Britain, Conn. Superintendent Stuart is prepared to adopt strict measures to check any tendency towards vandalism by the pupils in the public schools. He has advised all the teachers to make frequent inspections of the desks of the pupils and notice any new scars that may appear on the school property and ask the pupil nearest to it to explain it.

Covington, Ky. In urging a raise of the superintendents salary from \$2,000 to \$2,100, a member of the board showed that salaries paid superintendents in several cities was as follows: Louisville, \$3,500; Frankfort, with one school house, \$1,700; Peoria, Ill., \$2,400; Bellevue, Ky., \$1,700; Cincinnati, O., \$4,500; Hamilton, Ohio, \$2,700.

Syracuse, N. Y. Superintendent Blodgett says that tardiness in the teachers is liable to breed the same habits in the pupils, and should be prohibited.

Superintendent Lane, of Chicago's public school system, thinks that the proposal to establish a national university at Washington, under the control of the government, is the commanding educational movement of 1898.

Greater New York. In a recent address Dr. Wm. Maxwell, superintendent of schools, said: "No superintendent, no matter how specialized his functions, can do his best work, except with the support and under the criticism of an enlightened school board. A school board, vested with supreme power, but composed of men endowed with sufficient common sense to be guided by expert opinion where expert opinion is required, will always be necessary to the judicious administration of a system of public schools."

J. W. Simmons, superintendent of the public schools of Owosso, Mich., has issued a letter to the parents of the city, charging that owing to the many social parties the high school is almost demoralized. He says that pupils stay out late five or six nights a week, and then come to school with headaches and black rings under their eyes, and engage their time in partly sleeping off the effects of their dissipation, and in writing invitations for the next party. He advises a change in their habits.

Terre Haute, Ind. Superintendent Wiley has issued a circular, addressed to the teachers, in which he asks a number of questions. Among them are

questions as to the acquaintance of the teachers with the parents of pupils, of their home life, and what benefit the teacher has derived from such acquaintances. Another question is "How many of your pupils are 'the only child' of the family?" and this is followed by "Have you observed that 'the only child' manifests any peculiarities in submitting to discipline in school?" About all the teachers concur in saying that "the only child" is less susceptible of discipline. Other questions are as to the discipline of pupils who are not of robust health, and "What difference, if any, have you noted in your ability to secure discipline and impart instruction in proportion to your own good or ill health?" The final question is, "Have you observed that satisfactory work is any more difficult to secure after late hours at parties, attended either by yourself or your pupils?"

Philadelphia. Parents object to truant classes in the schools, believing that the bad boys ought to be kept in separate truant schools.

Superintendent William H. Maxwell is busily engaged working out his plan of action in connection with the conduct of the schools of Greater New York. The new charter under which he has received his appointment for a term of six years, places in his hands the power to adjust all differences quite readily, inasmuch as all the borough superintendents and their assistants are put directly under his control. He can call them together at any time to confer with him and to consult about plans for the betterment of the schools, and they must respond to his invitation. They must carry out their work in the manner that he directs. If they fail to perform their duties in a manner satisfactory to him, he can call them to account. If they fail to remedy their way, he can take them before the borough board on charges. If the borough board does not dispose of them in a manner satisfactorily to him, he may take the matter before the board of education, which is quite likely to sustain him in any policy he may adopt. It will thus be seen that he has very wide powers of control and is in a position to make it exceedingly lively for any borough superintendent who does not act in accordance with the policy formulated.

President Salisbury, of the Wisconsin state normal school, at Whitewater, has called attention to the weakness of the country schools. He makes the charge that the attendance is too small, the teachers, many of them, too young, and the wages too low, and that many of the district officers are incompetent. The professor's remedy is to enlarge the school districts, increase the efficiency of the teachers and officers, and provide transportation for the children at public expense.

California. Convention of city and county school superintendents passed a resolution, declaring that the school books published by the state, and at present being used in the schools of California, are not satisfactory, and recommending that the law be so changed that supplementary books may be purchased.

Philadelphia, Pa. The salaries of teachers who go into the army will be continued.

Grand Rapids, Mich. The following rule adopted: No person shall be appointed to a position as teacher in the Grand Rapids schools who is not a graduate of our city normal school, a state normal school, or a graduate of the University of Michigan, or a college with courses of equal length with the Michigan normal or the University of Michigan, except that a teacher not having the above qualification must be a high school graduate and shall have had at least three years of successful experience in charge of rooms in public schools under pay.

State superintendent Kincannon, of Mississippi, has petitioned the legislature for authority to have the newspaper adopted as a text-book in the public schools of the state.

T. E. Spencer, of Marshall, Mo., is a candidate for the Democratic nomination for state superintendent.

State Superintendent Stryker, of Kansas, has started a boom for the establishment of night schools in the larger cities of the state.

There are two women state superintendents of public instruction in the United States: Miss Grace E. Patton, Denver, Col.; Miss Estella Reed, Cheyenne, Wyo.

Milwaukee. L. D. Harvey, president Milwaukee normal school, is prominently mentioned as a candidate for state superintendent as a candidate on the Republican ticket. Election next fall.

St. Louis, Mo. State superintendent Kirk, in his annual report protests, against partisanship and commercialism in the election of school boards, claiming that the common method of electing school directors is one of the greatest obstacles encountered in public school education. He assails vigorously the selection of teachers, because of church relationship and political affiliation, and says: "Especially unwise and harmful is the practice of employing teachers who are related to members of the school board by blood or marriage." He enters a strong plea for more scholarly superintendents and principles of the public schools, declaring that a good many middle-aged superintendents and principles are now compelled to plan for their high school courses of instruction more advanced than they themselves have taken.

Election of Superintendents.

The following superintendents were elected last month: Springfield, O., Carey Boggess, \$2,000; Lansing, Mich., S. B. Laird, \$1,800; Montpelier, O., W. A. Saunders; Traverse City, Mich., C. T. Grawn, \$1,800; Hazelton, Pa., E. K. Richardson vice J. C. Loughlin, \$1,020; St. Joseph, Mo., E. B. Neeley; Covington, Ky., John Morris, \$2,100; Iron Mountain, Mich., L. E. Amidon vice T. W. Paton, \$1,600; Quincy, Ill., A. A. Seehorn; Saginaw, Mich., E. C. Thompson, \$2,100; Argentine, Kans., A. P. Warrington; Henderson, Ky., E. S. Clark, \$1,700; Oak Harbor, O., C. J. Bier; Oshkosh, Wis., Burt T. Davis; Peoria, Ill., Newton C. Dougherty; Champaign, Ill., G. C. Willis; Dunango, Col., Prof. Chadsey, \$1,800; Jamestown, N. D., C. C. Schmidt, \$1,600; Warren, O., C. E. Carey, \$1,850; Springfield, Ill., Prof. Collins; Horton, Kas., J. E. Dyche, \$1,200; Abilene, Kas., J. H. Niesley, \$1,000; Oswego, Kas., C. H. Williams; Cambridge, O., H. B. Williams; Rawson, O., A. J. Nowlan; Topeka, Kas., William M. Davidson; Boise City, Ida., J. W. Daniels; Ellsworth, Me., Walter R. Hunt; Council Bluffs, Ia., H. B. Hayden; Covington, Ind., S. A. D. Harry; Shelbyville, Ill., G. B. Randle; Danville, Ill., J. E. Bryan, \$1,800; Ann Arbor, Mich., H. M. Slauson, \$2,500; Clyde, O., W. L. Fulton, \$1,200; Poughkeepsie, N. Y., Edwin S. Harris, formerly of Catskill; Tiffin, O., J. H. Snyder; Grand Rapids, Mich., W. W. Chalmers; Beardstown, Ill., S. S. Beggs, \$1,300; Hastings, Minn., J. H. Lewis; Beatrice, Neb., John G. McHugh, of Plattsmouth, (O. H. Brainerd declined a re-election); Hutchinson, Neb., Geo. W. Winans, \$150 a month; Lima, O., C. C. Miller, \$2,400; Plymouth, O., W. M. Webb, of Alliance; Winchester, O., S. B. Kimball, of North Liberty, vice Chas. A. Wilson; Williamsburg, O., Chas. A. Wilson; Waukesha, Wis., H. L. Terry, \$1,800; Ann Arbor, Mich., H. M. Slauson, of Moline, Ill.; Fort Worth, Texas, M. G. Bates, vice Prof. Bramlette, Alexandria, O. E. L. Bishop; Manchester, Del., R. W. Wood, \$1,200; Mason, Mich., R. H. Gulley, vice W. J. McKone; Indianapolis, David K. Goss.

Superintendents' Salaries.

The salaries of superintendents for the ensuing year have been increased in the following cities: Covington, Ky., \$2,000 to \$2,100; Iron Mountain, Mich., \$1,300 to \$1,600; Durango, Col., \$1,500 to \$1,800; Jamestown, N. D., \$1,500 to \$1,600; Warren, O., \$1,700 to \$1,850.

WASHINGTON N. E. A. NEWS.

The Kentucky headquarters will be located at the Normandie.

The Dixon Lead Pencil Company will make an exhibit and will be represented by G. H. Reed.

Arthur O'Neill, the local secretary, is a New Yorker, who came to Washington at the invitation of ex-Senator Hill.

Mrs. Sara Spencer, the chairman of the Committee on Educational Exhibits, conducts the Spencerian Business College.

Prof. B. L. Whitman, chairman of the Executive Committee, is the President of the Columbian University.

At the Washington meeting an opportunity will be given school board members, educators and teachers to examine the Holden Patent Book Cover. The same will be conspicuously exhibited at the Arlington Hotel and Halls of the Ancients. The Holden Patent Book Cover Company extends a warm invitation to all.

Educational Exhibits.

The following are registered as exhibitors of educational text-books, publications and school appliances at the thirty-seventh annual convention of the National Educational Association, in Washington, D. C., July 7 to 12, 1898:

American Book Co.	New York.
Maynard, Merrill & Co.	" "
Werner School Book Co.	" "
D. C. Heath & Co.	" "
Macmillan Co.	" "
Rand, McNally & Co.	" "
Ginn & Co.	" "
Edw. L. Kellogg & Co.	" "
Potter & Putman Co.	" "
J. M. Olcott.	" "
Charles Scribner's Sons.	" "
Silver, Burdette & Co.	" "
Educational Publishing Co.	" "
Houghton, Mifflin & Co.	" "
University Publishing Co.	" "
S. S. Packard, Publisher.	" "
Central School Supply House.	" "
Spencerian Pen Co.	" "
Wm. R. Jenkins, Publisher.	" "
H. P. Smith Publishing Co.	" "
National Fire Escape Co.	" "
Novello, Ewer & Co.	" "
The Standard Guide to Washington.	" "
W. H. Sadler, Publisher.	Baltimore, Md.
Dixon Crucible Co.	Jersey City, N. J.
Lord Manufacturing Co.	Riverside, Cal.
Manitowoc Seating Co.	Manitowoc, Wis.
Thos. Kane Company.	Racine, Wis.
Haney School Furniture Co.	Grand Rapids, Mich.
School News and Practical Educator.	Taylorville, Ill.
Milton, Bradley & Co.	Philadelphia, Pa.
J. B. Lippincott Co.	" "
Palmer Electrical Supply Co.	" "
J. M. Sauder Co.	" "
Williams, Brown & Earl.	" "
Leach, Shewell & Co.	Boston, Mass.
Benj. H. Sanborn & Co.	" "
New England Publishing Co.	" "
A. W. E'son & Co.	" "
Scientific Temperance Journal.	" "
Prang Educational Co.	" "
The Perry Pictures.	Malden, "
Holden Patent Book Cover Co.	Springfield, "
Alfred L. Robbins & Co.	Chicago, Ill.
Scott, Foresman & Co., Publishers.	" "
Allyn & Bacon, Publishers.	" "
Kindergarten Literature Co.	" "
Mumford & Co.	" "
Century School Supply Co.	" "
Hope Publishing Co.	" "
Williams & Rogers.	Rochester, N. Y.
Morse Machine Co.	" "
Educational Gazette Co.	" "
Practical Text Book Co.	Cleveland, O.
Ellis Publishing Co.	Battle Creek, Mich.
Wood-Allen Publishing Co.	Ann Arbor, Mich.
Wm. G. Smith School Ed. Co.	Minneapolis, Minn.
McShane Bell Foundry Co.	Baltimore, Md.
Hammond Typewriter Co.	New York.
Crowell Physical Apparatus Co.	Indianapolis, Ind.
F. W. Emerson Co., (Drawing apparatus)	Rochester, N. Y.

Several other firms have applied, but are not yet registered because the committee cannot agree to furnish them the amount of space and the location they desire, or some other special privilege. Goods may be sold on the premises without additional charge, though some firms voluntarily pledge to the committee a percentage on their net receipts.

A USEFUL CAREER.

AN INTERESTING SKETCH OF DR. F. C. VANDERVORT,
EX-PRESIDENT OF THE SCHOOL BOARD,
BLOOMINGTON, ILL.

An ambition to serve the educational interests of a community is always laudable. No public service



DR. F. C. VANDERVORT,
Ex-Pres. School Board,
Bloomington, Ill.

can bring into play so much unselfish devotion with such effective and far reaching results, as a membership on a school board.

Few men, however, step into a position of this kind with a proper conception of the duties before them, or in possession of an adequate breadth in character to reach out for the things that are most vital to a school

system. The smaller things, with their attendant hindrances, are too apt to lead a member off the track and land him to the end of his official career with nothing to show for his efforts. The man, however, who has contributed in even a slight degree to the educational progress of his community may enjoy the self-satisfaction of having done his duty.

We have often heard it said that the school board service is a thankless job, that the criticism which accompanies the position outweighs the manifestations of appreciation. This may be true. As a rule we hear more criticism than praise; and yet the strong and confident mind is not ruffled by trifles. Praise should not be looked for. Satisfaction lies in the conviction that some good has been accomplished.

The career of Dr. Vandervort, of Bloomington, Ill., coming as it does under the head of this discussion, is entitled to recognition. This recognition should have been bestowed earlier. Some time ago he stepped from the school board presidency of Bloomington, Ill., into private life, leaving a consciousness on the part of his friends that his labors have been performed faithfully and well, and that they have contributed to the actual progress of the community.

During the time of his presidency, two ward schools and a high school were erected. The high school is a modern structure, which embodies all the conveniences so necessary to the physical well being of the pupil, and so conducive to the advancement of his intellectual equipment. His efforts contributed a good share towards bringing this about.

As a presiding officer he proved himself dignified and impartial. His warm interest in everything pertaining to the school made his counsel desirable, and his keen judgment rendered his services valuable. His reports were free from superfluous or vague matter, and pointed with directness and force to the weak spots or to the places where a strengthening was possible. In brief, the matter of economy and increased efficiency in the various lines of school activity is a notable characteristic of his policy. His administration throughout was marked with steady effort to keep the school system fully abreast with the educational progress of the day.

During this same period the Doctor took a prominent part in the proceedings of the Central Illinois Teachers' Association, reading three papers, one at Peoria on the "Employment and Dismissal of Teachers," one at Danville on "Less Management and More Independence in Teaching," and one at Galesburg on "Increasing Expense and Decreasing Revenue." In 1897 he was elected an officer in the above association, but, having retired as a member of the Bloomington board, never qualified.

His addresses, some of which have appeared in this journal, give evidence of a close analysis of the various and varied phases of practical school government; a careful study of the present day school problems, with clear and definite suggestions towards attaining desired ends.

TEXT BOOK NEWS.

St. Louis, Mo. The five years' contract for text-books in use will terminate July 1. The charter vests the power of selection of text-books in the superintendent, who received the judgment of his teachers as far as this was possible, and made changes only, as he claims, where it was necessary. The new books are as follows: Essentials of Arithmetic, Leach, Shewell & Sanborn; Prang's Course in Drawing, Prang Educational Co.; J. W. Redway's "Natural Geography," American Book Co.; Natural System of Vertical Writing, D. C. Heath & Co.; J. Baldwin's School Reading by Grades, American Book Co.; Stepping Stones to Literature, Silver, Burdett & Co.; John Fiske's History of the United States, Houghton, Mifflin & Co.; Reed's Introductory Language Work and Reed & Kellogg's Higher Lessons in English, Maynard, Merrill & Co.

Adopted for the schools of the city Philadelphia, Pa.: Baldwin's School Readings by Grades, Natural Music Course and Charts, Milne's Mental Arithmetic, Poland's First Book for Pen or Pencil, Parts I and II, Dana's Plants and Their Children, Carpenter's Asia, McMaster's School History of the United States, Stories of Pennsylvania, Natural Elementary Geography.

Atlanta, Ga., adopted Hazen's First Year Book, Stepping Stone Literature series, Model Music Course primer, Prince's arithmetic, Educational Course Music Readers, Stories of Great Americans for Little Americans, Normal Course reader No. 4, Reed's Word Lessons, Merrill's English History, Colburn's Mental arithmetic, Wentworth's arithmetic.

Chicago. Supt. Lane has recommended McMaster's school history of the United States and Spear's elementary arithmetic.

The New York offices of Maynard, Merrill & Co. have been removed to 29-33 E. Nineteenth St.; the Chicago offices to 203-206 Michigan Ave.; and the Boston offices to 14 Ashburton place.

The chief objection of the free text-book law has been the transferring of soiled books from one pupil to another. This has been commented upon and thought over considerably by boards of education throughout the United States. It has until within the last few years been considered an obstacle to the passing of free text-book laws, but that is now of the past. The use of the Holden book cover which is placed on the book before it is given to the next scholar causes the book to be transferred in practically a new condition, besides being absolutely clean. This also lessens the chances of spreading contagious diseases among the scholars, at the same time teaching them care and neatness of public property. All the soiling and filth of a year's wear is placed on the cover, which cover is removed and a fresh, clean one put on before being again transferred. One cover thus receives the soiling of the year instead of the book itself. Hundreds of school boards have availed themselves of this economical and hygienical method of protecting their text books.

Benjamin H. Sanborn, who retired from the firm of Leach, Shewell & Sanborn Jan. 1, tells us that he is now devoting himself to secondary school and college textbooks, having fifty-four out and under way in Latin alone. He also has an English series projected and the books will begin to appear in the autumn. The Baker & Taylor Co., in New York, A. C. McClurg & Co., in Chicago, and Cunningham, Curtiss & Welsh, in San Francisco, are his sellidg agents. All these houses sell his books at the old prices and discounts.

A Convention of School Boards.

THE ASSOCIATION OF MISSOURI SCHOOL BOARDS MEETS AT
CARTHAGE, MO., APRIL 28TH AND 29TH.

Officially reported for the SCHOOL BOARD JOURNAL.

The second annual meeting of the Missouri school boards was opened at Carthage on the 28th day of April by President F. G. Ferris, of Moberly, and the minutes of the previous meeting read by the secretary, C. L. V. Hedrick, of Kansas City.

Prof. W. N. Wharton, superintendent of Jasper county schools, delivered the address of welcome in an earnest and impressive manner. The response by Prof. C. L. V. Hedrick was brief and to the point.

The opening address of the president was an historical review of the association from its organization through the special efforts of State Superintendent J. R. Kirk. He suggested the necessity of county organization of school boards; that they could work for and with the state association, asserting that Randolph county had already organized. He was not unmindful of the fact that in his own state there were quack teachers as well as sluggish school boards. Hence he said there was a need for an arousing of school boards to a higher sense of their duty, which could be accomplished through these state and county associations. He recommended that members of school boards should be readers of school journals to keep pace with the times.

In the absence of Mr. A. F. Woodruff, of Bethany, his paper was read by Prof. Wharton. "School boards and their relation to superintendent and teachers" was his subject. The paper had been carefully prepared, was well read, and received with marked attention.

This closed the exercises of the morning hour, and an adjournment was taken until one o'clock.

At the opening of the afternoon session, the executive committee submitted a constitution, wherein it provides that this association meet annually with the State Teachers' association, providing for necessary officers, membership fee of one dollar, etc. By motion, after but little discussion, the constitution was adopted.

T. M. Cunningham, president of the Joplin school board, had prepared a paper on "School supplies: what needed, and what the board should furnish," which was read by W. N. Wharton. It favored all school supplies being purchased by the schools; also text-books, giving substantial reasons for his position, which he showed was prompted as a matter of economy, especially to the poorer classes, who as a rule have the most children. Here are some of his points: Need of proper supplies often retards school work; ample supplies facilitate progress in schools; equality secured by furnishing supplies to rich and poor; a good citizen is the highest production of our nation; teachers need a good reference library; boards should make out a list of supplies annually and secure lowest bid on same.

Other papers were "The school board and the

press," by J. R. Lowell, of Moberly, which appears in full in another column.

"Should local applicants be given preference as teachers?" was the subject of a paper by Dr. Whitney, ex-member of the Carthage school board. He said in part: "This is an ever present question before the board, and always has its advocates pro and con, with strong arguments on each side," some of which were noted by the writer.

He summed up the duty of a director to be to employ the very best talent available, regardless of locality, but all things being equal would give the preference to the home teacher.

In the discussion that followed, Dr. Jesse, president of the Missouri State University, said school boards were not selected to distribute public patronage for charitable purposes, which sentiment was applauded.

Mr. Yeager said all things being equal he would give preference to home teachers. Some boards made a rule to employ none but their own teachers, to the injury of their schools.

In Kansas City care was taken to procure teachers from all sections of the country, thereby securing variety of talent. He was emphatically opposed to forcing his relatives upon any school.

Mr. Stevenson, of Neosho, said this subject concerns superintendents as well as school boards. Teachers should be in advance of their pupils, which could not be if selected from their own home schools. This discussion closed the afternoon meeting.

THE EVENING SESSION

was opened by an address by Judge R. L. Yeager, president of the Kansas City school board; subject, "The School Board and the People."

He opened with a patriotic allusion to war's alarms being the cause of the few delegates being present. As to the school board and its duty to the people, there was no higher honor, but it was too often not appreciated, members not realizing that upon them rested the elevation of the youth of the land. His duty was not to reward a friend or punish a foe. An honest member will receive unjust criticism from persons who know not the pure motive of actions that can not be explained without creating local dissensions, that must be avoided.

He referred to the country school directors who seem to care only to elect some relative or friend as their teacher. If the country had better teachers there would be less rush to cities for a better education.

The director who acts from personal motives should step down and out. The people are for the public schools and they will stand by a board that

is trying to do right and lift schools to a higher plane. The public schools are the safety valve of this country.

"Manual Training," by Supt. Stevens of the Carthage schools, was the next paper called.

Mr. Stevens said in part: The aims of manual training may be divided into two classes. Formative, having as their object to instill a taste for and a love of labor; to instill a respect for rough, bodily labor; to develop independence and self-reliance; to train the eye and develop the sense of form; to train the habits of attention and interest.

The utilitarian aims are, the better to suit the schools to the demands of all the people. The majority of the boys who go to school must earn a living by engaging in some industrial pursuit. Courses of study having manual training better fit them for such occupations without, in the least, detracting from the interest or value of the study of literature, history or rhetoric.

Manual training occupies only a small portion of the time of the boy in school. In the manual training in high school, about one-fourth of his time is devoted to manual training and drawing. In the eighth grade not more than one-eighth of his time, and in the other grammar grades from forty-five minutes to one and one-half hours per week is all that is taken for manual training. It has been found by experience that manual training helps rather than hinders the work of other studies. Children usually inattentive have not only become attentive in shopwork but they have been able to transfer this power of attending to other subjects as well. When practical manual work is introduced, many who are dull when the head works without the hand, excel when the use of the hand is required as well as that of the head.

The paper was discussed by Dr. Jesse, who approved it. He referred to the sterling success of manual training in schools under his observation—leaving no doubt of its necessity as part of a good education.

At the State University over \$50,000 is expended in the manual training building and he invites all teachers to go to Columbia and receive the benefits of a course during vacation—including ladies, who work with skill and success side by side at the bench with men.

Judge Yeager added a prediction that inside of ten years this branch of education would be in all the ward schools of Missouri. Even the negro schools of Kansas City, he said, had introduced it with marked success, and they are very proud of it in the high schools. It educates the hand, head and heart, making better citizens.

State Superintendent John R. Kirk exhibited his model country school house, and fully explained the same, pointing out its intrinsic merits for ventilation and heating, with all modern conveniences for \$600, there being over thirty-five now in successful operation. He claimed to be dealing with facts and not theories.

The election of officers resulted as follows: President, R. L. Yeager, Kansas City; vice-president, J. R. Lovell, Moberly; secretary and treasurer, C. L. V. Hedrick, Kansas City.

The association adjourned to meet with state teachers at Jefferson City next December.



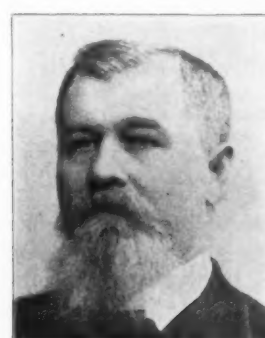
F. G. FERRIS,
Ex-Pres. Mo. State School Bd.
Ass'n, Moberly, Mo.



C. L. V. HEDRICK,
Secretary and Treasurer Mo.
Ass'n of School Boards.



HON. JOHN R. KIRK,
State Superintendent of Missouri.



R. L. YEAGER, Esq.,
President Missouri Association
of School Boards.



T. W. CUNNINGHAM,
President Board of Education,
Joplin, Mo.

AMONG BOARDS OF EDUCATION.

Boston. Member Paul of the board is opposed to secret sessions. Member Lowell holds that in discussing the merits of teachers, executive sessions are warranted.

Nashua, N. H. When the board attempted to exercise some authority over school flags it found that they were the property of pupils.

New York. Governor black vetoed the Ahearn school bill relating to the regulating of the salaries of teachers in the public schools of Greater New York. The governor gives as his reason for vetoing the bill that the charter of Greater New York places the regulating of teachers' salaries wholly within the power of the city authorities, and that, therefore, there is no reason or excuse for an application to the legislature.

San Francisco. The grand jury has investigated charges against the school board with damaging results.

Minneapolis, Minn. Back to the little red school-house in the wood and it's sacred three R's returns the board of education. Out of the grade schools go cooking and Sloyd work and likewise sewing. Pencils and tablets will no longer be free and the supervisor of nature work will no more earn \$300. The high school course is simplified. Greek is tabu, and the modern languages are reduced in time allowance. In one generous slice \$18,350 is saved in the administration of the high school alone.

Estella, Wis. Mrs. Ed. Porter, school director, gives the following advice to boards of education: "When your school register shows many absent marks and few present ones, then select a wide awake energetic teacher; one who is bubbling over with enthusiasm for her work, and your school room will soon fill again. Consider the quality of the work you are getting and be willing to pay for it. Put up your teacher's wages and note the effect on your school. Don't economize along this line. Let the consideration of ability, not wages, govern your selection of teachers.

Columbus, O. Fred J. Heer president of the board of education, is thoroughly opposed to secret sessions. He believes in transacting the business of the people openly before the people. He believes that it is the duty of the members of the board as the servants of the people, who are spending the peoples money, to let the people know exactly what they are doing at all times.

Green Bay, Wis. The board adopted a plan for placing a number of beautiful and instructive pictures in the schools and distribute them among the different rooms, those having the best record for attendance and deportment getting the preference.

Chicago. Members Gallaher and Rogers have discovered that the board employs between fifty and one hundred teachers not residents of the city. They are shocked at the disclosure, and have asked themselves why a teacher who draws a Chicago salary that comes from Chicago taxpayers should not be compelled to spend it in Chicago.

Marshalltown, Ia. The laboring men of the city are demanding representation upon the board.

Oak Park, Ill. The board has a rule which reads to the effect that no teacher shall be appointed to a vacancy in the schools who is a resident of the town.

Chicago. The board appealed from the decision rendered by Judge Tuley in which he held that employees of the board, except teachers, were subject to civil service rules.

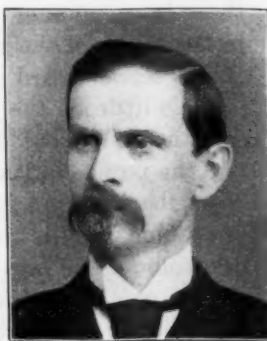


FRANKLIN HUBBARD,
Business Mgr. School
Board, Toledo, O.

The Toledo, O., school board, after a hot contest, selected Franklin Hubbard business manager of the board at a salary of \$1,500, and requirement to furnish bond of \$20,000. Retrenchment and economy with efficiency are the new board's watchwords and Business Manager Hubbard is said to be the right man in the right place.



GEORGE R. STAAGG,
President Board of Education,
West Orange, N. J.



JOHN K. POWELL,
New Mem. Bd. of Education,
Brooklyn, N. Y.

TEACHERS' SALARIES.

A resolution providing that no regular public school teacher in Manhattan, Bronx and Brooklyn shall receive less than \$600 a year, was introduced by Alderman McInnes: that no teacher after ten years' service shall receive less than \$800; that no teacher after fifteen years shall receive less than \$1,200; that no vice principal, head of department or first assistant shall receive less than \$1,400; that no male teacher, after 12 years' service, shall receive less than \$2,160; that the salaries of women principals shall be increased \$250 a year until they receive \$2,500 a year: that the salaries of the male principals shall be increased \$250 a year until they receive \$3,500 a year, and that no woman principal shall receive less than \$2,500 after ten years' service. The resolution was referred to the committee on public instruction.

Chicago. The kindergartners petitioned for a raise to \$800, and the assistants would like to get \$600. The sub-committee finally compromised on \$700 for the principal teachers and \$500 for the assistants, on the three-fifths time schedule. The raise will be \$50 a year.

The granting of the maximum of \$1,000 to the primary and grammar grade teachers brought the remuneration of the latter close to that of teachers of greater responsibilities, and the sub-committee began to adjust matters. Under the present schedule the eighth grade teachers get \$850 a year. This is \$50 more than the old schedule of the grade teachers. The sub-committee decided to raise them \$75 more than the grade teachers, giving them \$75 for the first year and \$50 more a year until the maximum of \$1,075 is reached. The head assistants, extra teachers and assistants to principals were given the same maximum of \$1,175.

Chicago, Ill. The janitors' salaries are computed from building measurements, sidewalk area, lawn area and use of heating apparatus.

Jefferson City, Mo. The public school teachers of the state of Missouri are drawing an average salary of \$45 per month for seven months in the year.

Kenosha, Wis. The board has adopted the graded salary system which provides for a regular fixed salary for teachers in the different grades and an increase of \$2 a month for each year's service. The system does not in any way fix the salaries of principals, which are made by special contract.

New York. Borough Superintendent Jasper has made public the new salary schedule which he will recommend to the Manhattan school board for adoption. It is as follows:

	MEN.	WOMEN.
First year, probationary	\$ 720	\$ 504
Second, third and fourth years.....	1,080	576
Fifth, sixth and seventh years.....	1,296	720
Eighth, ninth and tenth years.....	1,584	864
Eleventh, twelfth and thirteenth ..	1,872	1,044
Fourteenth year.....	2,160	1,296

All teachers of 7A Grade shall receive \$72 extra; of 7B grade \$108 extra.

Women teachers of boys' classes of the first three years shall receive \$36 extra; of the last four years \$72 extra.

MINIMUM SALARIES.		
After eight years' service.....	\$1,290	\$ 720
After eleven years' service.....	1,584	864
After fourteen years' service.....	1,872	1,044

SPECIAL STUDIES.

Toronto, Can. The Trades and Labor Councils have issued strong protests against having any manual training taught beyond the kindergarten.

Lansing, Mich. It is proposed to add a commercial course in the high school.

Buffalo, N. Y. In the eighth grade of grammar schools a complete banking system has been started for the purpose of familiarizing the pupils with the principals of banking and the methods employed by business men.

Milwaukee, Wis. In 1880 kindergartens were opened in Milwaukee as a part of the public school system, this city having been the pioneer in a movement which has since extended to other larger cities in various parts of the country and to many smaller cities.

Richmond, Ky. Chemistry and Physics added to the school curriculum.

Hamilton, O. Superintendent S. L. Rose has instructed all teachers to suspend instruction in history for the time and to devote the time given heretofore to this work to a study of the Spanish-American crisis.

Philadelphia. A commercial department in high school is favored.

St. Louis. The school board decided to adopt manual training for boys and instruction in cooking for girls, in an experimental way, without pledging the board to any permanent action.

Baltimore. Physical culture will be introduced.

Alameda, Cal. Sewing will be taught in the schools.

Saginaw, Mich. A business course for the high schools is advocated.

Springfield, Mass. A manual training department has been established.

Winona, Minn. Labor unions have requested the employment of physical instructor in the schools.

Detroit, Mich. A board resolution provides that adoption of manual training be submitted to popular vote.

Los Angeles, Cal. A sloyd department has been established.

Baltimore, Md. Teachers of physical culture are to be employed.

Milwaukee, Wis. The board has a resolution under consideration providing for manual training in the fourth, fifth and sixth grades.

Duluth, Minn. A special instructor in drawing has been appointed.

Duluth, Minn. The Prang Drawing System has been introduced in the schools.

Birmingham, Ala. Calisthenics has been added to the school curriculum.

Birmingham, Ala. For years one morning each week has been devoted in the schools to current events as reported through the press.

New York City. The course of instruction in cooking has been systematized and is now offered in twenty of the grammar schools.

Champaign, Ill. Steps have been taken to introduce manual training in the schools.

Spokane, Wash. The kindergarten system is having its first test as a part of the public schools.

Grand Rapids, Mich. An effort is to be made to establish a business course in the high school.

Oshkosh, Wis. Manual training for girls has proven to be a success.

Germantown, Pa. An institution at which colored girls are to be initiated into the mysteries of domestic service is about to be established.

Lyons, N. Y. The board established a gymnasium for young ladies.

Champaign, Ill. A manual training department added to the high school.

Sandusky, O. Writing and drawing added to the school curriculum.

Philadelphia. The board contemplates the establishment of a school of commerce where pupils will be taught the branches—chiefly geography and modern languages, fitting them to engage in the work of developing foreign trade.

THE AMERICAN School Board Journal

DEVOTED TO

School Boards, School Officials and Teachers.

WM. GEO. BRUCE, - Publisher and Proprietor.
New York—Chicago—Milwaukee.NEW YORK OFFICE: - - - 3 East 14th St.
FREDERIC H. LARK, Eastern Manager.CHICAGO OFFICE: - - - 45 Jackson St.
W. J. LARK, Western Manager.

ISSUED MONTHLY.

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Entered at Post Office at Milwaukee, Wis., as second class mail matter.

SCHOOL BOARDS TO WASHINGTON.

The National Convention of School Boards, under the auspices of the National Educational Association, at Washington, D. C., on the 8th and 9th of next month, will no doubt be largely attended.

The school boards in the Eastern cities will specially be afforded an opportunity to be represented and participate in the deliberations of this gathering.

The program embodies not only subjects of vital importance to all boards of education, but the names of those appearing on same are a sufficient guarantee of able treatment, based upon long service and experience.

President John E. Brandegee, of Utica, N. Y., together with Wm. S. Mack, chairman of the Executive Committee, of Illinois, have labored incessantly for the past several months in preparing the program. They have succeeded in securing the most prominent school board men from different portions of the United States to prepare papers.

School boards should respond to the invitation of the association by sending one or more delegates to Washington. In most cases heretofore the boards have covered the expense of sending such delegates.

The railroads will make a one-fare rate for the round trip, plus \$2, which will go to the association as a membership fee. The hotels at Washington will make special rates.

SCHOOL BOARDS AND THE WAR.

If no other information on the American-Spanish war than that which might be gleaned from the doings of the school boards of the United States came to us, it would be ample enough to demonstrate what is being done. The school boards everywhere are aroused to a pitch of patriotism seldom witnessed. The proceedings are brim full of it, and those who have in times of peace nagged at school bodies to encourage patriotism find their vocation gone. They need no nagging now.

Patriotism takes care of itself. It lives securely in the hearts of the American people, even if it does not burst out daily in school room demonstrations. It comes to the surface at the proper time and

then in a manner as to leave no doubt in the minds of the skeptical.

The school board debates at present partake no little of the things that shall indicate the feelings of the board, the teachers, and the pupils in time of war. Flags and flag poles, and flag poles and flags—without a quibble on the price—form prominent items under the head of school board purchases or appropriations. The old flag is either being repaired or replaced by a new one; a flag pole will stand where none stood before, and if the American flag waved a thousand-fold a month ago, it waves a million-fold now. In fact, the school boards are just now in the flag business.

New school buildings, too, come in for honors. At St. Louis, Chicago, and other points the name of "Dewey" is given new school houses. In different sections of the country contributions are made up by the school children for a new battleship to replace the "Maine." It is to be called the "American Boy." A number of school boards have passed resolutions granting full salary to male teachers who may enlist, during their entire absence from the schools. Sundry evidences of patriotism in schools and school boards come to our notice continually.

All this goes to show that patriotism needs no forcing in times of peace. Where the education of the child is properly directed, and more especially where the history of the nation is properly taught, the American youth, as well as his seniors, will instinctively respond at the proper moment.

THE N. E. A. AND THE WAR.

The suggestion that the meeting of the National Educational Association be abandoned for this year on account of the American-Spanish war, does not seem to have met with anything like a response. It has been asserted that Washington would be neither in the humor or in a position to entertain a large gathering, that there were no meetings held by the Association in 1861 and 1862, etc.

The fact that the Executive Committee of the N. E. A. has never entertained the least doubt as to the holding of the meeting, nor that the local committee at Washington at any time wavered in its purpose, sets aside all apprehension. Washington wants the N. E. A. now more than ever, and its enthusiasm is increasing daily. No other city in the United States could at this time draw a larger concourse of people than can Washington. Its confines are the very shrine of patriotism, which is never more attractive than in times of war.

The attendance will be large, and it cannot be too large for Washington. The hotels and private families stand ready to accommodate the largest crowd ever assembled in any city. Its capacity has never been over-taxed, and is not likely to be.

As for the association itself, President

Greenwood says: "The war with Spain will not affect the National Educational Association in the least. Should the Spanish fleet sail up the Potomac, we will adjourn for a few hours to help thrash them, and then go on with our meeting."

Thus the Washington meeting will become an attractive affair which no patriotic educator can afford to miss.

STATE SCHOOL BOOKS.

The system by which the state publishes its own books has once more come up for serious discussion in California where the plan is in vogue. At a recent meeting of the city and county superintendents of California, a debate over proposed amendments to the present law brought out opinions from the leading school men of the state which are interesting in that they are based upon actual experience.

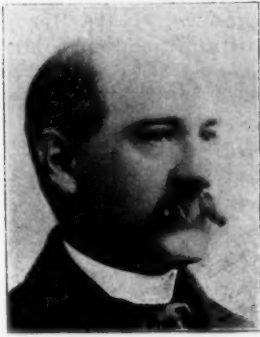
Whenever the proposition to entrust the authorship, printing and distribution of school books to the state has been made, it has invariably presented itself in some attractive form. Legislators as well as newspapers at once saw a vast saving of money in the project, and any opposition that arose was characterized as coming from the regular school book publishers.

The state of California introduced the system some years ago and has retained it until now for political reasons in defiance of the best judgment of its leading educators. These have in many instances, as is natural to suppose, become intimidated and speak guardedly or remain silent. Others are too strongly possessed with an honest conviction that the state system is a farce to remain silent. In fact, many school boards now circumvent the law, feeling that, in the language of John W. Linscott, of Santa Cruz, to obey it means a backward step of forty years.

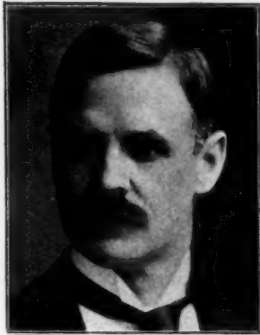
L. J. Chipman, of San Jose, declares that if a copyright of the state books were offered to any publishing house that it would not give anything for it. He also declares that he is opposed to the state furnishing books, or any other commodity, to the people in opposition to private enterprise.

J. W. McClymonds, of Oakland, believes that under the present law it is impossible to get the best books that could be procured. If the law was so changed that the state board of education could go into the markets of the world and purchase a copyright of a good book, then it would be all right for the state to print and publish that book.

Mr. Henry T. Dawson, of New York city, suggests that the National Educational Association purchase a large circus tent for its general sessions. It is a well known fact that the question of hall facilities is an important one among the questions that determine the selection of a city for the N. E. A. meetings. It has frequently been found that when other conditions were fa-



HARVEY H. HUBBERT,
President Pennsylvania Association.



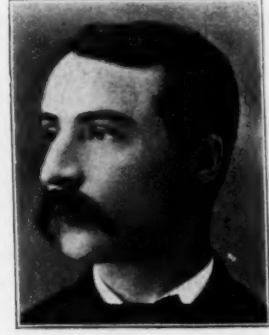
HON. FRANK RATHMELL,
President Ohio Association.



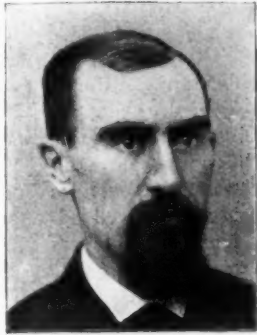
H. S. CHAPMAN,
President New York Association.



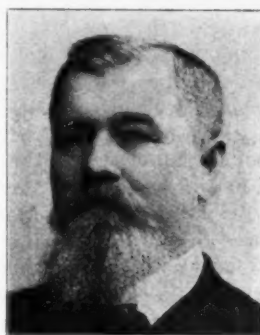
J. H. TREWIN,
President Iowa Association.



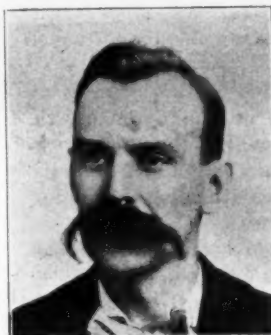
HON. G. D. JONES,
President Wisconsin Association.



HARLAN P. FRENCH,
Sec'y New York Association.



R. L. YEAGER, Esq.,
President Missouri Association.



J. ELDER PEELOR,
Sec'y Pennsylvania Association.



E. F. BRADT,
National Association.



MRS. B. F. TAYLOR,
National Association.



KENTON CHICKERING,
National Association.

OFFICERS OF LEADING SCHOOL BOARD ASSOCIATIONS.

avorable there was stil a woeful lack of some hall large enough and suitable for the great audiences which attend the general sessions. Cities have thus far been defeated for want of a suitable convention hall. A large tent would relieve the embarassment, and would ensure a large convention auditorium.

The editorial in our last number entitled "The School Principal" should have been credited to Supt. A. B. Blodgett, of Syracuse, N. Y.

The National Meeting.

Every board of education should be represented at the national gathering of school boards at Washington July 8th and 9th. The Department of School Administration has prepared a program which is entitled to the attention of school boards everywhere as it concerns itself with the most important question now before the school people of the United States.

PROGRAM.

DEPARTMENT SCHOOL ADMINISTRATION N. E. A.
WASHINGTON, D. C.

FIRST SESSION, JULY 8TH 3 P. M.

Paper—The Selection, Appointment and Removal of Teachers, and the Grading of Salaries.
Discussion—
Paper—What kind of Centralization, if any, will Strengthen our Local School Systems?
Paper—Harvey H. Hubbert, Philrdelphia.
Discussion—W. C. Webster, New York City.

GENERAL TOPICS.

a—Obstacles in the Way of Compulsory Education.
b—The Influence of Politics upon School Administration.

c—The Teacher's Tenure of Office.
B. W. Wright, Ishpeming Mich.

SECOND SESSION, JULY, 9, 3 P. M.

Paper—Manual Training, Its Purpose and Value.
Job Barnard, Washington, D. C.
Discussion—Dr. C. M. Woodward, St. Louis, P. N.
Sigler, Dayton, O.
Paper—The Professional and Non-Professional Bodies in Our Local School System, and the Proper Function of Each.
A. Lawrence Lowell, Boston.
Discussion—J. W. Errant, Chicago.

GENERAL TOPICS.

a—Taxation for School Purposes. Dr. Thos. Henderson, Detroit.
b—Heating and Ventilation of School Rooms.



HON. FRANK M. HOYT,
Newly Elected President, School Board,
Milwaukee, Wis.

c—How to Establish the Right Relation between the Public Library and the Public School.
For further information write Wm. Geo. Bruce, Secretary,
372-6 Milwaukee St., Milwaukee, Wis.

THE OMAHA MEETING.

TRANS-MISSISSIPPI EDUCATIONAL CONVENTION,
JUNE 28, 29, 30.

Conference of Boards of Education, directed by
Hon. J. H. Trewin, Lansing, Iowa.

WEDNESDAY, JUNE 29, 2:30 P. M.

Paper—The School Board and the Press.
Wm. Geo. Bruce, Milwaukee, Wis.,
Editor The American School Board Journal.
Paper—What is the Best Plan for Organizing a School Board?
Paul F. Coste, St. Louis, Mo.
President Board of Education.
Paper—How Should the Finances of School Corporations be Managed?
Halleck W. Seaman, Clinton, Iowa.
Member Board of Education.
Discussion—Luther P. Ludden, Lincoln, Neb.
Member Board of Education.
Paper—To What Extent Shall we Have Compulsory Education Laws?
J. W. Garside, Beatrice, Neb.
Member Board of Education.

Grand Rapids, Mich. The board has established the following rule: "The marriage of any woman teacher while in the employ of this board shall constitute a resignation. No married woman shall be eligible for appointment as teacher in the public schools of Grand Rapids. This rule must not be construed to apply to such teachers as may be under contract with this board at the time of the passage of this amendment.

McKeesport, Pa. The school board has decided to muzzle the press. A rule adopted, provides that representatives of newspapers be excluded from all investigations conducted by the discipline committee on the ground that the newspapers give the cases too much notoriety.

FIXING SCHOOL SESSIONS.

South Chester, Pa. The one session plan introduced in the schools.

Winona, Minn. The daily sessions are from 9 o'clock A. M. to 11:45 A. M. and from 1:30 P. M. to 3:30 P. M. In the high school from 9 o'clock A. M. to 12 M., and from 1:30 P. M. to 4 P. M.

Grand Rapids, Mich. The board has introduced the one-session plan in the high school. The session commences at 8:30 A. M. and closes at 1:25 P. M. with fifteen minutes intermission.

Marshalltown, Ia. The hours of the school sessions have been fixed as follows: Morning session from 8 until 12 o'clock, and the afternoon session from 1:30 until 2:40.

Lewiston, Me. The one session plan is to be introduced in the high school.

Lockport, N. Y. A committee recently appointed to investigate the proposed one session a day project reported unfavorably and it was unanimously resolved by the board to continue the two session rule.

Baltimore, Md. The one session plan has been introduced. The grammar schools close at 2 P. M., one hour later than primary schools.

Springfield, Mass. At the commencement of next term the one session plan is to be inaugurated in the high school.

Knoxville, Tenn. The superintendent recently sent out cards to parents of the pupils of the sixth grade asking for an expression in regard to changing the sixth grade to a two session grade. The parents almost unanimously responded in favor of the single session, the present system in vogue.

Cleveland, O. A vote by the parents on the question of one session in the high school is found to be almost unanimous in its favor.

Richmond, Ind. The high school pupils favor the adoption of the one session plan, the school hours to be fixed at from 8:15 A. M. to 1:30 P. M.

East Saginaw, Mich. The high school pupils debated the question, "Resolved, that one session would be more beneficial to the pupils than two." The judges decided that the negative had the best of the discussion.

Cleveland, The high school session is begun at 8:30 o'clock in the morning and ends at 1:30 o'clock in the afternoon, with an intermission of half an hour at noon.

Scranton, Pa. The board being unable to agree whether or not to establish a one session in the high

school, decided to allow the pupils to vote on the question.

Gardiner, Me. The board has voted to hold sessions in the high school on Saturday, and have no sessions on Monday.

Muskegon, Mich. It has been decided to have the school session commence at 8:30 instead of 9 o'clock in the morning.

New Britain, Conn. The movement to introduce the single session in the high school did not succeed.

Scranton, Pa. The school board turned down the proposition for a single session of school to begin at 8 o'clock A. M. and close at 12:45 P. M.

Erie, Pa. The two session plan has been re-introduced in the high school.

RULES ON GRADUATING EXERCISES.

Hornelsville, N. Y. The board has ordered that some noted speaker be engaged, in place of usual essays and orations.

Dayton, O. On a resolution by the high school committee, the sum of \$350 was appropriated with which to pay expenses attending the graduation exercises of the senior class. The sum of \$60 was appropriated to pay expenses attending the graduation of the kindergarten class.

Oshkosh, Wis. The school board appropriated \$50 for this year's graduation exercises.

La Crosse, Wis. The school board has adopted the old plan of orations by the graduating class, in preference to an address by some prominent speaker for their commencement exercises, as they have been doing the past two or three years.

MILITARY TRAINING.

New York, N. Y. The American Guard, which is composed of uniformed school boys, has come under the disapproval of the board of education. Invidious distinctions, it seems, have been made in the schools between the boys with blue clothes and brass buttons and the boys who could not drill because their parents could not afford to buy them uniforms. The board of education, while it has not forbidden the pupils of the public schools to join the guard, has practically discouraged the work of the organization.

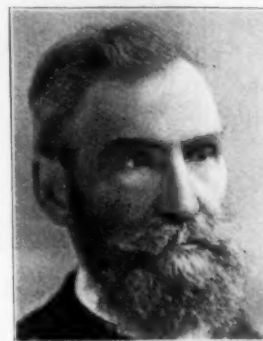
The New York state G. A. R. department has made public a report to promote the introduction of military training in the public schools. The

report recommends that in the fifth year of the grammar school military instruction should be introduced and maintained, embracing the "setting up" drill, and company formations properly officered, and that instruction should be given by officers of the state militia at such times and places as can be made convenient. No uniforms are to be worn by the students of the schools so organized. Further, that the endorsement of the Legislature be obtained.

THREE SCHOOL DESK MANUFACTURERS.

Mr. E. Haney, president of the Haney School Furniture Co., located at Grand Rapids, Mich., is the inventor and patentee

of many valuable improvements in the manufacture of school furniture. The most notable of his inventions is the "Automatic Fold," which at the time of its introduction, revolutionized the construction of school desks, and which has since been adopted by nearly all the other school desk manufacturers in the country. This action on the part of competitors is indeed a flattering evidence of the Haney invention. The Haney School Furniture Company has grown from a small beginning. It is to-day a securely established institution, its progress throughout having been assured from the untiring energies of Mr. E. Haney. Mr. Haney is a man well advanced in years, who enjoys the fruits of his labors and feels justly proud of his success.



MR. E. HANEY.
Pres. Haney School Furniture Co.
Grand Rapids, Mich.

The Burlington School Furniture Co., of Burlington, Ia., of which J. B. Coulter is president, sells

its product through the United States School Fur. Co. of Chicago. The company therefore does not come in direct contact with school officials.

Mr. J. B. Coulter delights in the construction of elegant finished high grade school desks and makes it a specialty. He is very much opposed to the manufacture of poor desks, believing in the maxim, "The best is always the cheapest in the end."

Mr. Coulter is very congenial to his employees and is much respected by them. The company's factory is not a very large one, it however, turns out its proportion of the desks used in all parts of our country. Mr. Coulter's wife is vice-president of the company and takes a deep interest in its business.

The West Michigan Seating Co., located at Holland, Mich., was leased a year ago and since that time this firm's business has been carried on by B. L. Scott, as lessee.

B. L. Scott has had several years' experience in the school manufacturing business and for the past two years has had complete charge of the West Michigan Seating Co.

The business of this company has developed wonderfully under his able management. Shipments of school desks are being made to nearly every state in the Union and the output is constantly increasing. Mr. Scott is deeply interested in the progress that is continually being made in the manufacture of school desks and keeps himself well posted on all new inventions being a most critical examiner of same.



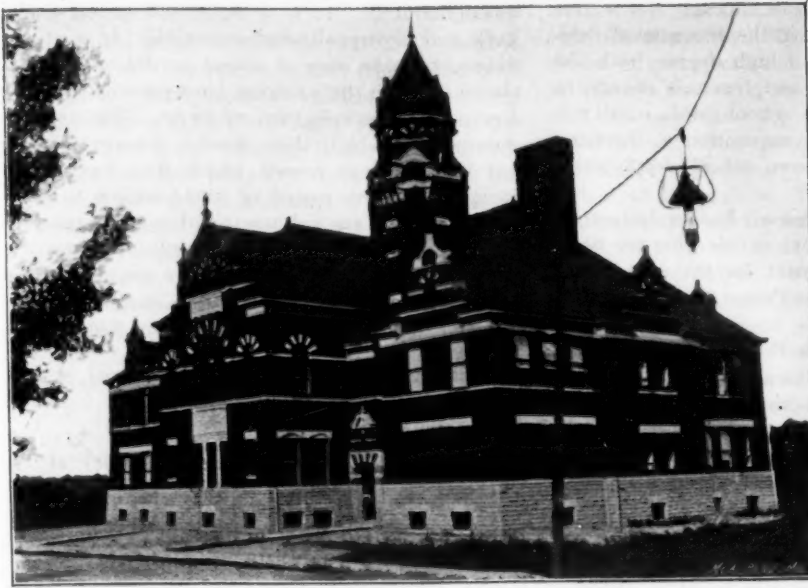
B. L. SCOTT.
Sec'y and Mgr. West Michigan
Seating Co. Holland, Mich.



THE UNIVERSITY BUILDING.

COLUMBIAN UNIVERSITY, WASHINGTON, D. C.,

Where the National Convention of School Boards (Department of School Administration, N. E. A.) will be held, Friday and Saturday, July 8th and 9th, 1898.



NEW WASHINGTON SCHOOL BUILDING, HILLSBORO, O. COST, \$35,000.



NEW HIGH SCHOOL, KALAMAZOO, MICH.

BUILDING AND FINANCE.

Boston. The average cost per pupil for 1897 was \$29.91, an increase of 96 cents per pupil over the cost for 1896.

The National Fire Escape Company has been awarded the contract for the furnishing Fire Escapes for six buildings of Elgins Watch Co., Elm; two escapes on Oak Park schools, seven escapes at St. Louis, one Hastings, six in Albany, and several other contracts.

Buffalo. The Visiting Committee makes the following recommendations: That the seats in the school rooms be so changed that they will not face the light. That blackboards between the windows be changed to other walls, so that the proper light will fall upon them. That rooms often too dark be provided with artificial light, either gas or electricity. That in cases where adjoining walls of buildings obstruct the light, the walls be painted a light color wherever practicable. That partitions be built between seats in all closets. That all doors in school buildings shall open outward and not inward. That inlets and shafts shall be kept open, ventilating fans running, cords attached to the ventilators, and the ventilating apparatus properly tagged. That thermometers shall be placed in every room, and a standard temperature fixed and maintained. For this the janitor shall be responsible under the direction of the principal of the school.

The National Fire Escape Co. has removed its general offices to 39 Erie street, Buffalo, N. Y. The company found it necessary, owing to its ever increasing trade, to remove to farther westward.

Chicago, Ill. The board of education has increased its realty assets over \$5,000,000 since 1893.

St. Louis, Mo. A new school building has been named "Dewey," in honor of the hero of Manila.

Salt Lake City, Utah. A tax of seven and one-half mills for school purposes to be levied this year.

Jefferson City, Mo. The annual report of the state superintendent shows that Missouri has 10,228 public school houses, valued at \$16,718,410. The total school expenditure of the last year amounted to \$6,992,336. The permanent interest bearing school fund of the state is now \$12,273,120.

Hamilton, O. Owing to a lack of funds the schools will be closed June 7.

The Swiss republic, when necessary, feeds and clothes its school children as well as educates them. In the canton of Berne more than 15,000 children were thus provided for in one school year, at a cost of \$16,590. In other cases where food is not actually given, it is sold to the children at a nominal price.

Pomeroy, O. The school tax levy for the ensuing year has been fixed at 7 mills.

York City, Pa. During the past year ten new school houses were erected, made necessary by the compulsory school law.

Newark, N. J. The laborers working on the new high school went on a strike. Some of their number were earning \$1.35, some \$1.75 and some \$2.00 a day, while all were working nine hours. The men demanded a uniform wage of \$2.00 a day, and that eight hours constitute a day's work. There was some hesitancy on the part of the contractor toward granting the demands, but he gave in, and the men quietly resumed their labors after having struck for two hours.

Chicago, Ill. Judge Tuley recently wrote as follows to the board of education: "If the board should find that the skilled labor of the country was practically organized into 'unions' whose members refused to work with non-unionists, that unless a clause requiring all work to be done by 'union' labor be inserted, there will be 'strikes' upon the work, causing delay, loss and trouble incident to strikes, and if it should find by reason of such situation confronting the board, it would be wise and prudent to insert such provision, or, in other words, if the board should, in the discharge of its public trust, be honestly of the opinion, after investigation, that the public interests, both as to economy in the construction of the work and the character of the work done, would be best subserved by the insertion of the union clause in the contracts, it would clearly have the right and it would be its duty to insert such a provision."

THE KALAMAZOO HIGH SCHOOL.

This building, an illustration of which is produced on this page, is not pretentious in exterior but is fully equipped with every appliance for teaching, laboratories, physical lecture rooms, etc., large and amply lighted and ventilated study and class rooms, and a large auditorium. It is claimed to be the best equipped and most commodious high school building for the same capacity and cost to be found anywhere. The cost, including heating, ventilating and furnishing, will be within \$40,000.



NEW HIGH SCHOOL, HARRISBURG, PA.

Supplies and Equipment.

The demand for flags and bunting by school authorities throughout the country is something remarkable and exceeds all former periods in the history of the country. Scarcely a school board but what has taken some action toward getting new flags or repairing the old. Manufacturers of flags have been unable to secure a sufficient quantity of bunting at even an advance of from fifty to seventy-five per cent. The consequence is that school supply dealers have been unable to supply the demand for flags even at the enormous advance in prices. The competition heretofore in flags and strong competition in the trade, had brought them down to a figure which was altogether too low. While the present prices will prevail for some time to come, it is also safe to say that it will take some years before the former low prices can be made again. The demand for flags, however, at present is so great that the advanced prices are cheerfully being paid.

Detroit. The Strong disinfectant was adopted, to be supplied for twenty-five cents a gallon for the amount used; \$2,000 will be expended for disinfectants.

The School and Office Supply Co., of Grand Rapids, Mich., announces that the war and the general raise in prices will not affect the cost of its goods and that "hard times" prices will be adhered to.

Peoria, Ill. Contract for slating was awarded to the A. H. Andrews Co.

W. A. Choate, of Albany, N. Y., is placing upon the market fac simile copies of the Declaration of Independence suitable for school room use.

The Standard School Furnishing Co., of Chicago, handles the Burlington venetian blinds for schools.

Rock Island, Ill. The Standard School Furnishing Co., of Chicago, received the contract for black boards.

Shawano, Wis. F. E. A. Smith, representing the Crowell Apparatus Co., exhibited one of the Crowell laboratories, and received a conditional order from the school board.

Toledo. The Kirker-Bender fire escape was purchased for one of the schools.

Henry F. Heuer, manufacturer of manual training benches, of 110 to 112 Weed street, Chicago, has made assignment to Charles S. Gloeckler, as assignee. The liabilities are given at \$5,000 and the assets at \$2,000.

Kingston, R. I. The Rhode Island School of Agricultural and Mechanical Arts has installed a new Smith-Premier typewriter.

Lockport, N. Y. Steps have been taken to stop the practice of having members of the board of education furnish the supplies for the schools.

Newburgh, N. Y. School supplies purchased from Peckham, Little & Co., New York; drawing material from the Prang Educational Co.

Hudson, Mass., has adopted the "Holden System for Preserving Books," and ordered a large supply of book covers and repairing material.

Binghamton, N. Y. Kindergarten supplies secured from Milton, Bradley & Co., Springfield, Mass.; school supplies from J. M. Olcott & Co., New York.

Board of education of Philadelphia, Pa., have sent in numerous orders for the Holden book covers and repairing material.

Tonawanda, N. Y. Optical projection apparatus purchased from A. T. Thompson & Co., Boston. Drawing supplies from the Prang Educational Co., New York, and lead pencils from the Eagle Pencil Co., New York.

Springfield, Mass. Board of education have sent in their sixteenth annual order for book covers and repairing material, manufactured by the Holden Patent Book Cover Co., Springfield, Mass.

The firm Hathaway & Atkinson, school supplies, Chicago, has been changed to Atkinson & Mentzer, Mr. F. W. Hathaway having retired. The new

member of the firm is Mr. John P. Mentzer, a graduate of the University of Chicago, and a man of considerable experience in the educational field. Mr. Mentzer possesses in a high degree both the educational qualifications and business energy to deal successfully with the school public, and will therefore prove a valuable acquisition to the firm. Mr. Atkinson is a well-known school supply man with extended experience.

Capt. R. H. Pratt, Government Indian Industrial School, Carlisle, Pa., has sent in his order for book covers and repairing material, for the next year's requirements, to the Holden Patent Book Cover Co., Springfield, Mass.

Chicago, Ill. Four Smith-Premier machines have been purchased by the Chicago College of Commerce, to be used for instruction purposes.

Omaha, Neb. The board has decided to furnish the high school cadets with uniforms.

The studies, history, literature, physics and geography, are made very interesting by the use of a stereopticon.

San Francisco, Cal. The Stone Educational Company was incorporated recently by M. J. Stone, Olive A. Stone, A. Z. Sargent, Darwin C. Allen and H. B. Hambly. The capital stock is \$50,000, all of which has been subscribed.

Ypsilanti, Mich. A new Smith Premier machine has been added to the equipment of the Michigan State Normal School.

Chicago, Ill. The members of the Chicago Women's Club recently employed a small army of scrub women to clean and scour a public school building. The object was to show the members of the board of education how a building should look when it is cleaned properly. The board estimated the cost of cleaning a building, including hall ways, at \$1.50 a room. The Woman's club members maintained it could be done for much less and proceeded to demonstrate it. The trial made by the Woman's club has proven that the board is correct in its estimate, and further that it would require three days to finish the cleaning of a large school building, begun Saturday. The old system of cleaning school houses about a half dozen times in a year will remain in vogue.

The Independent School District of Marshalltown, Ia., has ordered book covers and repairing material of the Holden Patent Book Cover Co., of Springfield, Mass.

Erie, Pa. The contract for furnishing book stacks for the new library awarded to the Fenton Metallic Mfg. Co., of Jamestown.

Xenia, Ohio. The Board of Managers of the Ohio Soldiers' and Orphans' Home have purchased a Smith-Premier machine for use in that institution.

Los Angeles, Cal. G. O. Wentworth, representing the Central School Supply House, of Chicago, recently appeared before the board and exhibited a series of relief maps. The maps are most artistically prepared in colors, and show the topographical features of the country in bold relief, drawn to scale. Mr. Wentworth in displaying each map, demonstrated by pertinent remarks how useful maps of the kind could be made in the study of history and geography; phases of knowledge being capable of illustration quite impossible under other conditions.

Detroit, Mich. Detroit College has added a Smith-Premier machine to its equipment.

Allegheny, Pa., has re-ordered a supply of the Holden book covers and repairing material.

Chicago, Ill. With 240 school buildings and 114 rented structures, the board of education can muster just five buildings equipped with fire escapes.

Seattle, Wash. The board has ordered a Mulford formaldehyde gas regenerator for the purpose of fumigating the rooms where pupils had been who were taken with contagious diseases.

Owatonna, Minn. Board ordered dynamos from the Alfred L. Robbins Co., Chicago.

Brockton, Mass. The Board of Education purchased a Smith-Premier typewriter for the Brockton high school.

The national fire escape is adopted for use upon school buildings. It is a light and strong frame work and is virtually indestructible. It is a continuous staircase, easy of ascent or descent, and is placed between the windows, thus preventing those descending from being cut off by fire. The uniform endorsement which they receive wherever used, and the excellent record which they have made during the entire period of their service to date, are facts which are well worthy of consideration by school boards. Members of boards of education owe it to themselves to learn more about this fire escape. This can readily be accomplished by corresponding with the National Fire Escape Co., Buffalo, N. Y.

Mitchellville, Ia. The Iowa Industrial School has added a Smith Premier machine to its typewriting department.

Chicago, Ill. The Chicago Telephone Company has proposed to the board of education the connection of all schools by telephone.

Concord, N. H., sent in their orders for book covers required during the next school year, to the Holden Patent Book Cover Co., Springfield, Mass.

Olean, N. Y. A quantity of kindergarten supplies secured from Milton, Bradley Co., Springfield, Mass.

Superior, Wis. Drawing supplies secured from the Prang Educational Co., Chicago.

Binghamton, N. Y. Science apparatus secured from Alfred L. Robbins Co., Chicago.

Muskegon, Mich. At a recent meeting of the board a representative of the Underwriters' Fire Extinguisher Company, of Boston, exhibited a handsome extinguisher manufactured by the company. He went minutely in details of the construction of the machinery and read recommendations from several parties highly recommending it. The extinguisher is a simple device and he stated that it would throw a stream of 50 feet.

Janesville, Wis. The board made purchase of school supplies from Standard School Furnishing Co., and United States School Furniture Co. Typewriter supplies secured from the Smith Premier Typewriter Co.

North Adams, Mass., re-ordered a supply of the Holden repairing material.

Philadelphia, Pa. Contracts for drawing sets awarded to Williams, Brown & Earle.

Plainfield and Little Silver, N. J., have ordered book covers and repairing material of the Holden Patent Book Cover Co., Springfield, Mass., for the next year's requirements.

Clarion, Pa. State Normal School have sent in their order for the Holden book covers and repairing material.

Pittsburg, Pa., have sent in another order for book covers manufactured by the Holden Patent Book Cover Co., of Springfield, Mass.

West Chester, Pa. State Normal School re-ordered a supply of book covers and repairing material of the Holden Patent Book Cover Co., of Springfield, Mass.

Racine, Wis. Laboratory supplies purchased from Bausch & Lomb Optical Co., New York; kindergarten supplies from Thomas Charles Co., Chicago; and school supplies from the Central School Supply House, Chicago.

Denver, Col. The West Denver High School has purchased a Smith-Premier typewriter for instruction purposes.

St. Louis, Mo. The Kindergarten supply contract was awarded to the Milton Bradley Co., Mr. F. A. Smith, the company's agent at St. Louis, being the successful bidder. After a year's use the Bradley gift materials were pronounced by the St. Louis teachers to be much superior to the Meinberg Company's which they had formerly used.

The Omaha Exposition has adopted the Densmore exclusively as its official typewriter, and has about thirty in use. "The typewriter's educative value is greater, in proportion to its cost, than that of any other device now used in the public schools for the teaching of any branch." These words are from one of Chicago's leading educators, W. E. Watt, principal of the Graham public school, who has made extensive experiments in the use of the typewriter in teaching English and other common school branches, and who has written a series of able articles on this subject. (Mr. Watt has several Densmore typewriters in use in his school.)

(Continued on Page 16.)

School Furniture.

Indications point to a brisk year in the school furniture line. The readiness with which boards of education are selecting new building sites, issuing bonds, enlarging school buildings, etc., points to the fact that there is a general spirit of activity abroad. There are but few instances on record where the question of new school buildings when brought up has not been acted upon favorably.

J. B. Markey, who was at one time with the U. S. School Furniture Co., and later the Chicago representative for the Globe Furniture Co., is now the vice-president and secretary for the Illinois Refrigerator Co., located at Morrison, Ill. This company also manufactures school desks.

Derby, Conn. The school board is taking quite an interest in the question of adjustable school desks. It recently placed an order with the Grand Rapids School Furniture Co. for a large number of desks. Included in the order were a quantity of combination adjustable school desks, which it is going to give a trial, and, if satisfactory, in the future will use only adjustable desks.

Hebron, Ill. The school board is considering a proposition from the Minneapolis School Furniture Co. to pay a judgment rendered against the district on a bill for school furniture bought to furnish the new school building a number of years ago.

S. Exeter, Me., has just placed an order with the Grand Rapids School Furniture Co. for ninety ball bearing automatic school desks.

Utica, N. Y. The bidders were: Grand Rapids School Furniture Co., through Williams & Morgan, Albany; G. R. Hodgson, Albany, N. Y.; W. A. Choate, Albany, Battle Creek desks; Rowley & Horton, bidding for E. H. Stafford & Co., Muskegon, Mich.; Randolph McNutt, Buffalo; Coventry & Evans, Utica, bidding for the Manitowoc Seating Co., Manitowoc, Wis.; Cleveland School Furniture Co., Woodbine, Ia., has placed an order with the Grand Rapids School Furniture Co., for ball bearing automatic desks.

Another chapter in the ill-fated Grand Rapids Seating Co. has come up. Seymour W. Peregrine, of Grand Rapids, has filed in the circuit court the answer of himself and Mrs. Peregrine to the bill recently filed by Charles B. Judd against them. Judd's bill was to foreclose a mortgage on property, alleged to have been given to secure a note of \$5,800 given in 1894 to Mrs. M. R. Bissell and endorsed by Judd, Ralph Case, and Fred B. Aldrich. The mortgage was given to Judd as trustee. In Peregrine's answer he claims that the mortgage was not given to secure the note. He starts with the time that he promoted and organized the Grand Rapids Seating Co., in 1894, in which he had subscribed for \$10,000 worth of stock, paying \$4,200 and leaving a balance of \$5,800. He claims that at this time Judd approached him and suggested that he get \$5,800 from Mrs. Bissell, to pay for his stock, and that he pay her in yearly installments of \$1,000 from his salary, together with the dividends from the stock, assigning \$9,000 worth of the latter to secure the payment of the note. Judd, he claims, agreed also to endorse the note and get other endorsers. All of which Peregrine claims he did. Peregrine was the manager of the seating company which failed some time ago.

Cadillac, Mich. The school board has just paid a unique compliment to the Grand Rapids School Furniture Co. and the ball bearing school desk manufactured by that concern. Recently the main school building in Cadillac was destroyed by fire. The school board at once let the contract for erecting a much larger and more elaborate building to replace it. As soon as contract for building was let they asked the Grand Rapids School Furniture Co. to submit a proposition for furnishing the same and accepted the proposition made by that company without a dissenting vote. In awarding the contract to the Grand Rapids School Furniture Co., the fact that so high was the esteem in which they held them and their goods that they have given the

order amounting to nearly fifteen hundred dollars to them without asking any other concern to compete for the order. The new building will be a model in every way and it is safe to say that the people will not regret the selection and purchase of ball bearing desks.

Baltimore. The contract for furnishing adjustable desks for pupils was awarded yesterday to the Wm. J. C. Dulany Co. The contract for furnishing other school furniture was awarded to Henry Beck. Four different makes of desks, divided into three classes, were bid on. They were the Manhattan, Trenton, Buffalo, and Roehrer. The bids were for 1,000 No. 1 or grammar size, 4,000 No. 2 or intermediate, and 2,000 No. 3 or primary. In these bids were also included rear seats. It was decided to adopt the Buffalo desk, for which the bid by the Dulany Co. was as follows: No. 1, \$3,500; No. 2, \$13,000; No. 3, \$5,600. Rear seats, No. 1, \$312.50; No. 2, \$12.50; No. 3, \$625. The other bidders and the prices named by them were as follows: Charles Hollander & Sons, desks, No. 1, \$4,250; No. 2, \$15,200; No. 3, \$7,300. Rear seats, No. 1, \$406.25; No. 2, \$1,600; No. 3, \$750. Henry M. Carter, desks, No. 1, \$4,000; No. 2, \$16,000; No. 3, \$7,500. Rear seats, No. 1, \$468.75; No. 2, \$1,500; No. 3, \$750. The bid of the J. W. Bond Co. was rejected in accordance with the opinion of Mr. Thomas Ireland Elliott, when city solicitor, as it was for a desk not named in the specifications. Mr. Beck's successful bid for general school furniture was \$5,372.50. The other bidders and their prices were: Charles Hollander & Sons, \$7,972.20; Henry M. Carter, \$5,609.50; Wm. J. C. Dulany Co., \$6,175; J. W. Bond Co., \$7,293.

The Grand Rapids School Furniture Co. has just received an order for over 200 ball bearing school desks, from Tientsin, China. With the order they received a very nice letter commending the furniture they shipped same parties some months ago.

Buffalo. The visiting committee, after inspecting the furniture in the schools, reported in favor of having some adjustable seats in all rooms.

Weymouth, Mass. The school board is taking quite an interest in the question of adjustable school desks. They have recently placed an order with the Grand Rapids School Furniture Co. for a number of Frictionside chair desks and ball bearing combination adjustable desks, intending to give both styles a trial, with the object of finding which style suits them the best.

Galveston, Tex. The bidders on 600 desks were: J. E. Gallaher, F. J. Finck & Co., Galveston; Grand Rapids School Furniture Co., A. H. Andrews Co.; L. J. Selby, Galveston; Wabash Church & School Furniture Co.; Baltimore Refrigerator Co.; W. V. Wittenberg; E. H. Stafford & Co. Contract went to last named firm.

The new Moreton school, Amherst, Nova Scotia, is to be seated with Grand Rapids ball bearing desks, the school board having placed an order for 1,200 of them to be delivered at once.

Toronto, Ont. The supply committee of board of education has reported in favor of combination adjustable and ball bearing automatic desks, made by Grand Rapids School Furniture Co., and contract for upwards of 2,000 desks has been awarded.

Bruin, Pa. At a recent meeting of the school board the question of desks for the ensuing year was taken up, and a number of different makes of desks were exhibited, but the school board was of the opinion that the desks manufactured by the Grand Rapids School Furniture Co. excelled in nearly every vital part, and as a consequence it placed an order with that company for one hundred of their ball bearing automatic desks, and also decided to seat a part of its rooms with the combination adjustable desks. They were much taken with the idea of adjustable desks, and if their anticipations are realized, in the future will order only desks of that kind.

Toronto. Contracts amounting to \$5,500 were awarded to the Office & School Furniture Co., of Preston, Ont. Contract for kindergarten furniture was given to the Globe Co., of Walkerville.

Kalkaska, Mich. The school board is convinced that the ball bearing school desks are the best, and has placed an order with the Grand Rapids School Furniture Co. for about one hundred of this style of desks.

Somerville, Ind. The school board has placed an order with the Grand Rapids School Furniture Co., for ninety ball bearing desks.

The Grand Rapids School Furniture Co. has just shipped to Portland, Me., several hundred of their Frictionside adjustable chair desks.

Tonawanda, N. Y. Order for 200 desks placed with Randolph McNutt, of Buffalo.

Baltimore. The mandamus of the Messrs. J. W. Bond Co. to prevent the school board from giving a contract for school desks to another company will come up for argument in a day or two. It involves contracts for about \$25,000 worth of desks badly needed in the schools, and officials are anxious that the matter be settled. The Messrs. Bond Co. were the lowest bidders, but bid on a desk different from that mentioned in the specifications.

Indianapolis, Ind. The Andrews new adjustable desk was adopted by the board of education.

Roslyn, N. Y. The school board has awarded contract to the Grand Rapids School Furniture Co., for about three hundred ball bearing combination desks.

The Grand Rapids School Furniture Co., in addition to a very satisfactory school desk trade, are enjoying a phenomenally successful season in the church furniture line. At the present time its factory is overcrowded with orders for church seating, and this at a season of the year which is usually reckoned amongst the dull months in the church furniture business. It reports that a great interest is being taken in churches this year, and that a larger number of churches are in the course of erection or contemplation than was ever known, and prospects for trade in the church furniture line are very fine. It manufactures a line of church furniture that is acknowledged by critics to be in advance of anything on the market. Its goods are known throughout the country as being standard, and as a result of its energy and enterprise, its furniture is meeting with the greatest favor. Parties contemplating the purchase of church seating or church furnishings of any kind, would do well to correspond with them in regard to the matter. It also manufactures a very fine line of opera and assembly chairs for lecture rooms, assembly halls, etc. Its goods are to be depended on in every way.

Williamsport, Tenn. The Grand Rapids School Furniture Co. has received an order calling for about seventy-five school desks with a promise of a largely increased order if these desks are satisfactory.

St. John's, Mich. The school board is so well satisfied with the ball bearing automatic desks furnished by the Grand Rapids School Furniture Co., that it has again placed its order with that company for this year.

The Grand Rapids School Furniture Co. has just shipped 500 ball bearing automatic desks to Salt Lake City, Utah.

Provo, Utah. The school board has placed an order with the Grand Rapids School Furniture Co. for about one thousand feet of recitation seats, having tablet arms, for assembly rooms. The use of recitation seats with tablet arms is becoming very popular, and is a subject which will bear close investigation by school boards desiring something modern in price, as they are very convenient in class and lecture rooms.

Bottineau, N. D. The school board has decided on ball bearing combination adjustable desks as most satisfactory to them, and have placed an order with the Grand Rapids School Furniture Co. for desks of that kind.

Nauvoo, Ill. The St. Mary's academy, of the Benedictine Sisters, has placed an order with the Grand Rapids School Furniture Co. for about \$1,000 worth of school furniture. The order includes school desks, opera chairs, for assembly room, opera chairs with tablet arms for class room, teachers' desks, office desks, chairs, etc.

Book Reviews.

THE STUDY OF CHILDREN AND THEIR SCHOOL TRAINING. By Francis Walker, M. D. Published by The Macmillan Co., New York and Chicago. Price \$1.00.

This scientific, yet practical, work by Dr. Warner will be heartily welcomed by those teachers of the new educational movement known as Child Study and by parents and others in daily contact with children. It contains valuable information that is likely to interest those engaged in directing education, philanthropy and other forms of social work, as well as those concerned with mental science. The author has given points gathered through his observation and study for a period of twenty years, during which time he examined individually 100,000 children upon a fixed plan, taking a written description on a schedule for each child in any one point subnormal, or reported by the teacher as dull or backward. Directions for scientific study of children in their modes of brain-action and bodily conditions are given in simple language. This book should be studied by every teacher, for each teacher must necessarily be a student of child nature in order to do justice to her pupils individually.

R. J. O'H.

AMERICAN LITERATURE. By Katharine Lee Bates. Published by The Macmillan Co., New York and Chicago. Price, \$1.00. Specially adapted for high schools and colleges and private study.

The author of this excellent text-book divides the subject of American Literature into three general periods or eras—the Colonial, Revolutionary and National. The study of the national era is subdivided into the discussion of general aspects, poetry, prose thought, and prose fiction. The writers of each phase of literature are critically studied and classified. The book does not contain any selections from authors studied, but references are made in the chapters of the appendix which aid the student most satisfactorily in the proper use of the book. The student using this text book will not fail to learn what any intelligent young American may reasonably be expected to know of American literature. He will find therein treated the general character of the artistic productions belonging to the several periods of American historical development. He will be led to inquire why was literature in the colonial period more theological than now; why did not Benjamin Franklin write, like Henry James, international novels; why did landscape painting and nature poetry appear simultaneously in American arts; how much did slavery have to do in making American literature? He will become acquainted with the lives and characters of at least fifteen of our most eminent authors and become interested in their writings. He will learn to recognize significant names, as he meets them in talk or print, and refer them to their respective epochs and respective varieties of literature. The book is not intended to be memorized, but read and discussed. It calls for other books to be used as supplementary; original texts in plenty and a few sound works of reference. A list of these extra books is given in the appendix, besides well chosen sets of review questions which make a complete key to the use of the book.

R. J. O'H.

THE GREAT DEBATE. Edited by Lindsay Swift, of the Boston Public Library. Linen, 217 pp. 40c. Houghton, Mifflin & Co., Boston, New York and Chicago.

It was an important period in our history when opposite opinions as to the rightful powers of our government clashed in the debate between Hayne and Webster. It was a great occasion and the subject was argued by great orators. The speeches are our highest models for study. They should be a part of text-book history. This is an excellent edition. The introduction gives an account of the occasion and the event, and a sketch of each of the orators. There is a double page reproduction from a photograph of Healy's painting of the Senate

with Webster speaking, with a key to the portraits in the painting. Abundant foot notes explain allusions that might not be familiar to many readers. This debate should be read in every class studying the constitution. It is an American classic, presented in convenient and substantial form.

REVISED TEXT-BOOK OF GEOLOGY. By James D. Dana, LL.D. Edited by William North Rice, Ph.D., LL.D. Cloth 482 pp. \$1.40. American Book Company.

The author was without doubt the foremost geologist of this country. His many contributions to the science are recognized authorities. This is the fifth revised edition of the school text-book. It is considerably enlarged. New and scientific names are added. The illustrations are excellent, and in geology and paleontology the story is largely and best told in illustrations.

SALVA-WEBSTER SPANISH-ENGLISH AND ENGLISH-SPANISH DICTIONARY. By Don J. Gomez, Ph.D. Cloth, 18mo. 383 pp. Laird & Lee, Chicago.

A convenient little book containing about 180 pages of the common words of either language with equivalent words of the other, the general rules for pronunciation, some conversation exercises, with maps of Spain and Spanish countries, and tables of coins and other information valuable especially at the present time.

THE NATURAL SYSTEM OF VERTICAL WRITING. By A. F. Newlands and R. K. Row. Published by D. C. Heath, Boston, New York, Chicago.

This system of vertical writing has many excellent features which should recommend it to teachers of penmanship. The special features which distinguish it from similar systems are: 1. The narrow page which is considered best adapted to beginners. 2. Guide lines are dispensed with, thus giving full scope to the pupils in writing. Hence the individuality of pupils' writing will show itself. The scripts used are excellent models for imitation. Accompanying this series is a Teachers' Manual giving full particulars regarding the teaching of this system.

F. L.

A GLANCE AT THE DIFFICULTIES OF GERMAN GRAMMAR. (Sixth Edition.) Compiled by Chas. F. Cutting. Published by Wm. R. Jenkins, New York. Price 30 cents.

The above named booklet gives a bird's-eye view of German grammar, together with a solution of its difficulties. The arrangement of the subject matter is as follows: 1. Miscellaneous; 2. Verbs; 3. Conjugation of Verbs.

F. L.

LE VERBE EN QUATRE TABLEUX SYNOPTIQUES. Contenant, Les Verbes réguliers et irréguliers conjugués d'après les règles de la Formation des Temps. By Prof. H. Marion. (Seventh Edition.) Published by Wm. R. Jenkins, New York. Price 25 cents.

This little book comes highly recommended by the board of public instruction of Quebec, for use in the public schools of Canada. The French verb is herein presented to the student in a condensed and comprehensive form by means of tableaux. It thus enables the student to take in at a glance what he wants to find. It is invaluable to teachers and can be used with any French grammar or text-book.

F. L.

THE RAPE OF THE LOCK AND AN ESSAY ON MAN. By Alexander Pope. Edited by A. M. Van Dyke. 110 pp. 20 cents.

SELECTIONS FROM THE POEMS OF ROBERT BURNS. Edited by W. H. Venable, LL.D. 96 pp. 20 cts.

SELECTIONS FROM THE POEMS OF THOMAS GRAY. Edited by A. M. Van Dyke. 80 pp. 20 cents.

PALAMON AND ARCITE. By John Dryden. 111 pp. 20 cents. American Book Company.

Additions to the already extended series of Eclectic English Classics from representative English authors, carefully prepared and well made, with sketches of the writers and explanatory notes.

THE CYROPAEDIA OF XENOPHON. Edited by C. W. Gleason, Roxbury Latin School. Cloth, 12mo. 325 pp. American Book Company.

An abridged edition for secondary schools, alternating with, or in the place of, the Anabasis or Hellenica. In the same attractive style as other classics published by this house. It contains notes and a vocabulary.

STEPPING STONES TO LITERATURE. First and Second Readers. A series of graded readers for primary and grammar schools. By Sarah Louise Arnold, Supervisor of Schools, Boston, Mass., and Charles B. Gilbert, Superintendent of Schools, Newark, N. J. Silver, Burdett & Company, Publishers, Boston, New York, Chicago, Philadelphia.

When the publishers cast about for suitable authorship they were fortunate in their selection. No two school people are better fitted to undertake so difficult a task as the preparation of a series of readers than Sarah L. Arnold and C. B. Gilbert. Their standing in the educational world would give the series prestige even if they were of mediocre quality. The first and second book give promise of a successful series of readers. The matter selected is fresh and wholesome, the presentation of the same is on progressive educational lines. The lessons serve not only as the first exercises in teaching the art of reading, but aim to cultivate a taste in the child mind for good literature. All the engraver's and printer's art is capable of, has been put into these books. We shall look with interest for the remainder of the Arnold-Gilbert series.

THE STUDENT'S AMERICAN HISTORY. By D. H. Montgomery. 523 pp. Appendix 55 pp. Ginn & Company, Boston, London, Chicago.

More than usual care has been taken in the writing of this history. Political and constitutional questions are treated more fully than is generally the case in school text-books. Special attention has been given to those things that have had to do with the development of the resources of the nation. Many things not usually mentioned in brief text-books are given. Note numbers in the text refer to about two thousand authorities cited in the appendix. A very complete index closes the book. Maps are numerous and good. The style is condensed, yet simple and free. It has cost a vast amount of research to consult authorities and quote from them in the preparation of this volume. This is an especially valuable feature of the book. It will lead students to extended research, and this should be the purpose of text-books in history. The appendix contains interesting facts tabulated, and a list of books of reference in American history.

PITMAN'S FRENCH GRAMMAR AND CONVERSATION FOR SELF-TUITION. By A. Garnaud and W. G. Isbister. Price 40c; cloth 50c. Published by Isaac Pitman & Sons, New York city.

A compact, substantial volume, which might be carried conveniently in one's pocket, contains the work of the two French teachers who have made a specialty of teaching their language to English speaking students. The arrangement of the work evidences the experienced hand. It leads from the simple to the complex; from the ordinary to the exceptional; from the necessary to the useful, etc. The fundamentals are easily taught and the student is held in a state of interest throughout the book in the acquirement of the French language. The method contains much to commend it to those beginning in this study.

LITERARY NOTES.

One of the best descriptions ever written on the tenement district in New York city appears in Harper's Magazine for May, entitled "East Side Considerations." Delightful short stories are: "How Order No. 6 went through. As Told by Sun-Down Leftare," by Frederic Remington, illustrated by the author. "The Bishop's Memory," by Marguerite Merington, illustrated by W. T. Smedley. "Old Sile's Clem," by Paschal Coggins. "The

"Thunder-Thief," by Gelett Burgess. "A Birthday Poem," by Robert Stewart.

D. Appleton & Co. announce the publication of *The Psychology of Suggestion*, by Boris Sidis, also *Psychologic Foundations of Education*, by Wm. T. Harris, and *Bibliography of Education* by Will S. Monroe.

"Undergraduate Life at Vassar" is described in the June *Scribner's* by Miss Margaret Sherwood, a graduate who is familiar with the life not only a Vassar, but at other women's colleges. Orson Lowell has made a series of original drawings to illustrate the article. The drawings for the *Wellesley*, *Vassar*, and *Smith* articles are being exhibited in succession at those colleges.

The volume entitled "Wonderland," published by Chas. S. Fee, G. P. and T. A., Northern Pacific Railway, St. Paul, Minn., is entitled to more consideration than the ordinary railroad literature. It is artistic in every sense and offers a delightful hour in quaint and beautiful scenery, with well written descriptive matter. The engravings are in the highest art of that branch, while the typographical work is superb. While the publication is of special value to travelers and tourists, it is also valuable in the family for its general information, and in public schools as a geographical and historical compendium. The publisher will mail it to any address upon receipt of six cents in stamps; it is worth six times that amount.

Captain Alfred T. Mahan has written a paper for the June number of *The Century* on the causes of the failure of the Spanish Armada. It accompanies an illustrated article giving the story of the famous catastrophe, based on manuscript records and on the narratives of survivors and other Spanish documents.

This number of *The Century* will contain several other articles of equal timeliness.

The *Forum* for May is specially rich in material for the thoughtful student. Also the *Arena* which contains a number of articles on subjects of interest at this particular time. Students of the economics cannot do without these publications.

BOOKS RECEIVED.

A Patriotic Primer for the Little Citizen. By Capt. Wallace Foster. Published by Levy Bros. & Co., Indianapolis, Ind.

Douze Contes Nouveaux. Edited for school use by C. Fontaine, B.L., L.D., Director of French and Spanish instruction in the high schools of Washington, D. C. Boards, 12mo., 168 pages. Published by American Book Co., New York, Cincinnati, Chicago. Price 45c.

Xenophon's Cyropædia. Abridged for schools and edited by Clarence W. Gleason, A.M., of the Roxbury Latin school. Flexible cloth, 12mo., 325 pages. Published by American Book Co., New York, Cincinnati, and Chicago. Price \$1.25.

Western Series of Readers, Vol. III. Edited by Harry Wagner. Nature Stories of the Northwest. By Herbert Bashford. Published by the Whittaker & Ray Co., San Francisco, Cal. Price 50c.

Elementary Exercises and West Coast Botany, with an Analytical Key to the Flora of the Pacific Coast. By Volney Rattan, teacher of botany in the state normal school, San Jose, Cal. Published by the Whittaker & Ray Co., San Francisco, Cal. Price \$1.50.

Letters on Early Education addressed to J. P. Greaves, Esq., by Pestalozzi. Published by C. W. Bardeen, Syracuse, N. Y. Price \$1.00.

The California System of Vertical Writing. By Mrs. I. D. Rogers and Belle Duncan. Published by H. S. Crocker Co., San Francisco, Cal. Numbers 1, 2, 3, 4, 5, and 6. Price 10c. each.

Greek Prose Composition. By Henry C. Pearson, A. B. Flexible cloth, 12mo., 187 pages. American Book Co., New York, Cincinnati, and Chicago. Price 90c.

Minna von Barnhelm. A comedy in five acts. By Gotthold Ephraim Lessing. Edited for school use by M. B. Lambert, Instructor in German, Boys' High School, Brooklyn. Boards, 12mo., 159 pages. American Book Co., New York, Cincinnati, and Chicago. Price 50c.

A Manual of Dissection and Histology for the use of Classes in Physiology in high schools, normal schools and academies. By G. H. French, A.M. Published by J. B. Lippincott Co., Philadelphia, Pa. Price 80c.

Shattuck's Advanced Rules of Parliamentary Law. A Supplement to the Woman's Manual of Parliamentary Law. By Harriette R. Shattuck. Published by Lee & Shepard, Boston, Mass. Cloth, 50c.

"Whiz," a Story of the Mines. By Amelia Weed Holbrook. Illustrated. Published by Laird & Lee, Chicago, Ill.

The Girls at Cobhurst. By Frank R. Stockton. Published by Charles Scribner's Sons, New York City. Price \$1.50.

Arrows, or Teaching of fine Art. By Addison Ballard, D.D. Published by A. S. Barnes & Co., New York City. Price 75c.

Pitman's Practical French Grammar and Conversation for Self-Tuition, with copious vocabularies and imitated pronunciation. By A. Garnaud, Esq. Sc., and W. G. Lebister, B.A., London. Published by Sir Isaac Pitman & Sons, New York City. Price 40c., cloth, 50c.

The Haunted Man. By Charles Dickens. Engraved in the Easy Reporting Style of Pitman's Shorthand. Illustrated by S. J. Loxton. Published by Sir Isaac Pitman & Sons, New York City. Price 50c.

Test Lessons in Spelling. By O. A. Hoffman, Principal Metropolitan Business University, Milwaukee, Wis. Published by Williams & Rogers, Rochester, N. Y., Chicago, Ill.

Stepping Stones to Literature. A Reader for Seventh Grades. By Sarah Louise Arnold and Charles B. Gilbert. Published by Silver, Burdett & Co. Price 60c.

MAGAZINES RECEIVED.

The Atlantic Monthly for May. Published by Houghton, Mifflin & Co., No. 11 E. Seventeenth St., New York, Boston. Price 35c. per copy, \$4 a year.

Werner's Magazine for March. Published by Edgar S. Werner, New York City. Price 25c. per copy, \$2 per year.

Scribner's Magazine for May. Published by Charles Scribner's Sons, New York. Price 25c. per copy, \$3 per year.

Harper's New Monthly Magazine for May. Published by Harper & Bros., New York and London. Price 35c.

The Forum for May. Published by the Forum Publishing Co., 111 Fifth Ave., New York. Price 35c., \$3 per year.

The Land of Sunshine. The Magazine of California and the West, with a syndicate of Western writers. Edited by Chas. F. Lummis. Published by Land of Sunshine Publishing Co., Los Angeles, Cal. Price 10c. per copy, \$1 per year.

The Library Journal for April. Official Organ of the American Library Association, chiefly devoted to Library and Bibliography. New York City. Price monthly numbers 50c., yearly subscription \$5.

The American Monthly Review of Reviews for May. Edited by Albert Shaw. Published by the Review of Reviews Co., 13 Astor Place, New York. Price 25c., \$2.50 a year.

Riverside Literature Series for April. Baby Bell, the Little Violinist, and other Verse and Prose. By Thomas Bailey Aldrich. Published by Houghton, Mifflin & Co., Boston, New York, and Chicago. Issued monthly, September to June. Yearly subscription (nine numbers), \$1.35, single copies, 15c.

The Arena for May. Edited by John Clark Ridpath. Published by Arena Publishing Co., Copley Square, Boston. Price 25c. per copy, \$2.50 per annum.

Kindergarten Review for May. Published by Milton Bradley Co., Springfield, Mass. Price \$2 per year.

PUBLICATIONS.

Finance and Transportation. A practical solution of the Financial and Transportation problems. By J. D. Miller. Price 15c.

University of Tennessee Record. Review of 1897. Published by the University of Tennessee Press, Knoxville, Tennessee, January, 1898. Number 1.

School Department. City of Somerville, Mass., 1897. Twenty-sixth Annual Report.

Boletín de Enseñanza Primaria. Orango Oficial de la Dirección, G. de Instrucción Pública, de la República, Oriental del Uruguay, Montevideo, Imp. "El Siglo Ilustrado," de Turenne, Varzi Y. Cia. Calle Uruguay Nums, 322 y 324, 1898.

Massachusetts State Normal School at Westfield, Mass. Catalogue and circular of information for the year ending June 21, 1898. Wright & Potter Printing Co., Boston, Mass.

Forty-ninth Annual Report of the Board of Education, Syracuse, N. Y. Compliments of A. B. Blodgett, superintendent, 1897.

Western Reserve University Catalogue. Issued quarterly by Western Reserve University, Cleveland, Ohio. Annual subscription 50c.

Book Reviews for May. A monthly Journal devoted to new and current publications. Published by the Macmillan Co., New York City. Price 5c. per copy; yearly subscription 50 cents.

Forty-first Annual Report of the Board of Education of the City of Newark, N. J., year 1897. Compliments of C. B. Gilbert, city superintendent.

Syracuse University Catalogue, 1897-1898. Compliments of Chancellor Day.

Forty-eighth Missouri Report of Public Schools, 1897.

MUSIC.

The Dance. Vocal Waltz, for Soprano, Alto, Tenor, and Bass. By J. Wiegand. Published by J. Fischer & Brother, No. 7 Bible House, New York, Ignaz Fischer, No. 229 Summit St., Toledo, Ohio. Price 25c.

Goosey, Goosey, Gander. For two equal, or four mixed voices (Tenor and Bass ad libitum). By C. H. Lewis. Published by J. Fischer & Brother, No. 7 Bible House, New York. Ignaz Fischer, No. 229 Summit St., Toledo, O. Price 25c.

SCHOOL BOARD ELECTIONS.

East St. Louis, Ill. President, Al Keechler; members, G. Lehman, D. A. Becken, Patrick Joyce, P. W. Abt, I. D. Foulon, T. Kelly.

Sterling, Ill. Secretary, Walter N. Haskell; members, J. W. Niles, J. F. Utley, R. Keeney, W. W. Davis, R. S. Phillips. Richmond, Va. Chairman, Hon. J. Taylor Ellyson; vice-chairman, Hon. J. C. Dickerson.

Pekin, Ill. President, E. W. Wilson.

Springfield, O. President, C. L. Whistman, clerk, Oliver H. Miller, re-elected, \$400.

Butte, Mont. Chairman, J. V. Long; members, Chas. H. Lane, R. L. Clinton, A. T. Morgan, re-elected; clerk, Thomas Richards.

Detroit. Member, John W. Hubbard, 17th ward.

Manchester, Ill. President, Fulton F. Worcester, members, J. W. Coulee, W. A. Winn, H. A. Chapin; secretary, E. J. Pearce, \$50.

Peru, Ill. President, Hoberg A. Means; members, George Sædler, Mr. Reinhart, secretary, Wasson A. Hoss.

Virginia, Ill. Secretary, J. T. Robertson.

Amboy, Ill. President, L. Bourne; clerk, D. W. Slaughter; members, G. A. Deming, W. J. Keho, P. M. James, Wm. Fenton, Frank Egan.

Rock Falls, Ill. Members, D. O. Coe, J. H. Wetzell.

Edwardsville, Ill. President, Dr. E. W. Feigenbaum.

Ft. Pierre, S. D. Members, J. D. Carr, James McGarry, M. E. Curran, David Moore, R. W. Mathieson, J. D. Cook, Wm. Courtney.

Boston. Member, J. Carlton Nichols.

Portland, Ore. Clerk, M. E. Pogue, bond \$20,000.

Ellsworth, Me. Members, H. F. Maddocks, John B. Redman, Augustus E. Moore.

North Plainfield, N. J. President, S. St. John McCutcheon, secretary, R. M. Fountain.

Merchantville, Pa. President, J. H. Sixsmith; Secretary John Homer.

St. Joseph, Mo. President, Dr. E. A. Donelan, vice-president, K. M. Mitchell; member, C. J. Borden; secretary, H. H. Smith, \$1,800.

Carthage, Mo. President, W. R. Logan; vice-president, Robt. Moore.

Beardstown, Ill. President, Harrison Hines; members, Wm. D. Epler; secretary, Frank M. Fuiks, \$50.

Virginia, Ill. President, J. M. Gridley; members, H. A. Hueffner, Will I. Mitchell, A. A. Leeper, Phil Stout, Will Sudbrink; secretary, J. T. Robertson.

Plumwood, O. President, John R. Yerian; clerk, M. S. Lombard.

Cohoes, N. Y. Member, Alfred I. Whitehouse.

Argentine, Kans. President, Wm. McGeorge; secretary, G. L. Jennings.

West Hoboken, N. J. President, E. N. Snyder; clerk, Adolph Scheicher.

Hoboken, N. J. President, Jos. L. Firm; clerk, Jas. J. Weiseman, \$1,500.

Milwaukee. President, Frank M. Hoyt.

Two Rivers, Wis. President, H. P. Hamilton; vice-president, P. Schroeder.

New Brunswick, N. J. Members, Eugene M. La Forge, Morris Bauer, Jos. Eldredge, Geo. J. Kuhn, Henry L. Janeway, Jr., A. W. Winckler.

Merrill, Wis. President, A. H. Reid; vice-president, D. McDonald.

Racine, Wis. Members, A. C. Judd, Charles Freeman, J. S. Clement, John L. Sieb, Thomas M. Kearney, A. J. Harvey, Frank Stransky.

Ningara Falls, N. Y. Hans Nelson, president.

Pierre, S. D. Louis Greenough, president; J. E. Mallory, secretary.

Rahway, N. Y. Charles C. Howard, H. M. Bedford, L. Baumgartner and H. B. Anderson, members.

Hastings, Minn. Michael McHugh, president; Irwin Todd, secretary; Denis Follett, treasurer.

Kingfisher, Okla. J. H. Lowry, president; G. W. Mooney, vice-president; E. Gibson, clerk.

Girard, Kans. T. W. Atkins, president; Lewis Koch, vice-president; Wm. Grantham, clerk.

St. Charles, Minn. C. H. Foss, member.

Racine, Wis. President, Thomas Howell.

Merrill, Wis. President, A. H. Reid.

Tiffin, O. President, E. E. Hershberger.

Red Wing, Minn. President, W. H. Putnam; vice-president, Wm. Robson; clerk, C. A. Rasmussen; treasurer, R. L. Grondahl.

Elkhorn, Wis. President, F. W. Isham; vice-president, Mrs. M. T. Park.

New Brunswick, N. J. President, H. B. Zimmerman; members, O. O. Stillman, Eugene M. LeForge, Dr. John Helm, Morris Bauer, Jr., Joseph Eldridge, John T. Morgan, George J. Kuhn, Robert J. Smith, Henry L. Janeway, Jr., Charles Deshler, Andrew Winckler.

Macomb, Ill. President, John Cook, E. T. Walker, D. VanMeter, H. C. Agnew, T. B. Switzer, P. H. McClellan, Ed. Stocker, Alex Holmes, J. M. Keefer.

Salina, Kas. President, J. O. Wilson; vice-president, J. E. Miller; secretary, T. H. Davis.

Mitchell, S. D. President, E. B. Van Alstine; vice-president, J. Wiltse; clerk, T. M. Wallace.

Chamberlain, S. D. President, Capt. Cliggett; vice-president, P. M. Krohn.

Joliet, Ill. President, A. O. Marshall, T. A. Mason, D. F. Higgins, Egbert Phelps, Henry Banzet C. H. Carpenter, P. C. Hayes.

School Supplies and Equipment.

Toledo, O. A contest over fire escapes has arisen between the Kirker-Bender fire escape manufacturers and the Toledo Wire Works, also manufacturers of fire escapes. The former was adopted and the latter contests the matter.

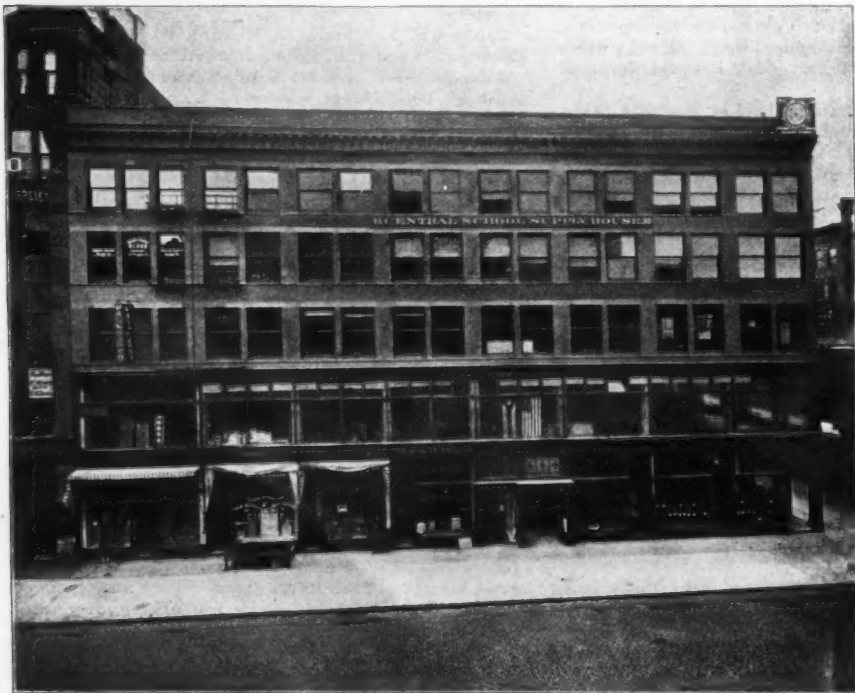
Nebraska City, Neb. Two Smith-Premier typewriters have been purchased for use by the pupils in the Institute for the Blind, this city.

St. Paul, Minn. A Smith-Premier has been added to the equipment of the J. B. Hess College, this city.

Chicago, Ill. Contract for furnishing blackboards for the McPherson school building awarded to the Standard School Furnishing Company.

Grand Rapids, Mich. The board of education made a purchase of a beam balance of Alfred L. Robbins Company, Chicago.

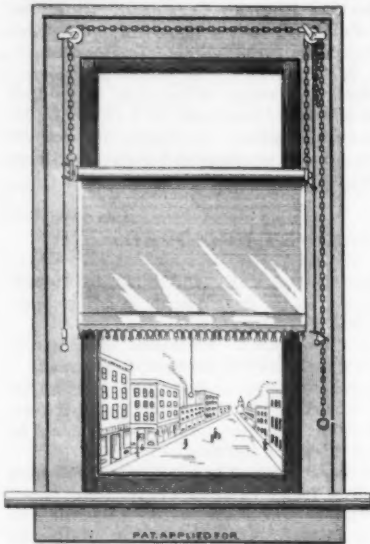
The Central School Supply House has successfully demonstrated what brains and enterprise can do in building up a large business in a few years. Not more than ten years ago the Central School Supply House was organized for the purpose of furnishing a high grade of school appliances to the educational public. The members of the firm were a happy combination, the result of which has been the establishment within a short period of the largest school supply house in the world. The general offices of the Central School Supply House have for several years been located at the corner of Fifth avenue and Monroe street, Chicago. The place of business became inadequate and the firm recently moved and now occupy beautiful and commodious quarters in the Atlas block, corner of Randolph street and Wabash avenue. They have here a model business office, occupying in its various departments 6,000 square feet of floor space, a unique convenience being a large, well-lighted show room, 35x55 feet. The rich furnishings and equipments of the offices are a model of elegance and good taste. The warehouse of the firm is located on the West side, at 59-61 Canal street, where the manufactory, storage and shipping business occupies six floors, 25x120 feet. Here the firm has ample room to carry in stock everything needed in the school room, in such quantity and variety as to insure the prompt shipment of all orders. They can furnish everything in the school supply line, including physical and chemical apparatus and supplies, stationery, and their famous specialties. Their goods are popular in all parts of the country. Just now they are advertising a specialty in the way of a library filing cabinet, which school principals and superintendents, and business and professional people, would find a great office or library convenience.



NEW HOME OF THE CENTRAL SCHOOL SUPPLY HOUSE,
WABASH AVE. AND RANDOLPH ST., CHICAGO, ILL.

No doubt decided advances have been made in the past few years in improved appliances for use in modern schools. The matter of light has come in for its share. It is unquestionably of great consequence, and a fixture which placed on a curtain enables it to be raised or lowered to any part of the window frame, it is well worth the consideration of any school board.

We find upon investigation that the Stockman & Moore's fixture is such a device. It has attracted a



great deal of attention in all parts of the United States and it is only a question of time until every school is fitted with them. We learn that this fixture has been on the market a very short time but has already proved its superiority over anything of the kind ever invented. Its ventilating qualities is another feature, which makes this fixture invaluable in the school room, and commends it highly to thoughtful school officials. In Buffalo many of the old schools, and all the new ones, are to be equipped with this fixture. Many other cities might be mentioned.

Stockman & Moore's fixture is not bulky and does not take up any more space than any ordinary shade. It is durable, simple and economical, and may be attached to any shade roller. For further information address Stockman & Moore, 97 Erie County Bank Building, Buffalo, N. Y.

The proper lubrication of gas engine cylinders has been a very difficult problem. The problem, however, seems to have been very successfully solved by an official of the Pennsylvania Railroad Co. He writes as follows:

"I had a gas engine at Sharon, Pa., running a pump, and the man that had charge of it allowed the lubricator to run dry and cut the piston, piston rings and cylinder. The makers of the gas engine said the cylinder would have to be sent to the shop and bored out and a new piston put in. It was our busy season and we could not do without water. I had some of Dixon's finely pulverized graphite, and I commenced to feed it into the cylinder through the suction pipe with the air and gas with immediate relief. After about two weeks the engine was running smoother and using less gas than ever before.

"I had this same engine apart last Saturday, and every place that was cut is smooth as glass. This one instance saved us about \$75.00. I have great faith in this graphite and always keep it on hand."



The herewith illustration shows Maj. A. J. Cheney, who scarcely needs an introduction to

the school people of the West. It shows the whole man, from his boots to his untrimmed beard, including the the swagger of his robust figure. The major looks after the

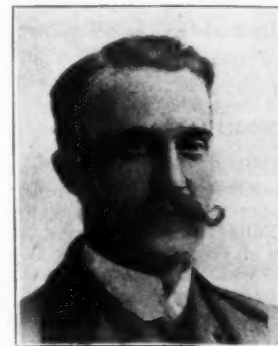
G. & C. Merriam Co.'s business in the West, and when it comes to discussing the Webster's International Dictionary he makes a few points with telling force. No

bookman in the Northwest is better known than Major Cheney, his activity covering a period of over thirty years. The picture is evidently a snap shot. We do not know who took it or who sent it, but suspect Superintendent Hardy, of Ishpeming, Mich.

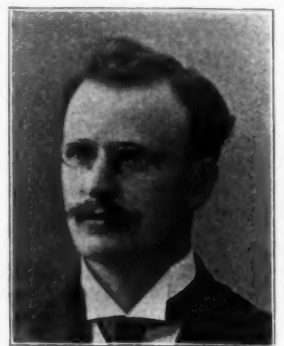
Chas. Irving Webster, who resigned the New York managership of the Prang Educational Company some months ago, and associated himself with the Morse Company, has been succeeded by Wm. E. Cochrane. The latter has been connected with the



MAJ. A. J. CHENEY.
With G. & C. Merriam Co.,
Springfield, Mass.



CHAS. IRVING WEBSTER.
The Morse Company,
New York.



WM. E. COCHRANE.
Prang Educational Co.,
New York.

Prang Company's Boston office for a number of years. His experience fits him excellently for his new position. Mr. Webster will have an extended



AGENT BROOKE: The Superintendent informed me that he was very much opposed to your Geography."

AGENT COOKE: "I notified the Superintendent that intervention would mean war."

field in his new position, covering general lines of educational books. The Morse Company is constantly adding to its list.

Mr. H. D. Newson, manager educational department Harper & Brothers, was in the West last month.

Henry T. Dawson, of the University Publishing Co., New York, suggests that a company of volunteers consisting of Bookmen be organized. He stands ready to join.

Miss Alice V. Brannan, who has been with the Prang Educational Co. for some years, giving instruction in the system of drawing published by the company, has retired. She was married June 1st, to Mr. Edward J. Haley, a post office official of Chicago. Thousands of friends in educational lines will wish Mrs. Haley a happy matrimonial voyage.

B. K. Benson, who has for sometime had charge of D. C. Heath & Co.'s office at Austin, Texas, has succeeded E. E. Smith, at Atlanta, Ga.

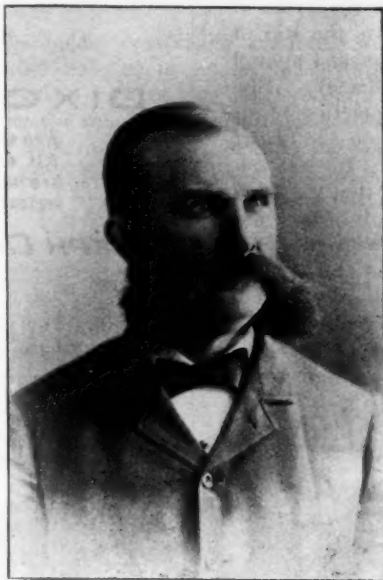


B. K. BENSON,
Southern Agent D. C. Heath & Co.

The firm has taken new offices in the English-American building in Atlanta, and its Southern business will be managed from this city as heretofore. The larger orders have always been shipped from New York, while the smaller ones, and those that must be shipped in a hurry, will be attended to at Atlanta as heretofore. Mr. Benson will have charge of the entire Southern field, and will have offices both at Austin and Atlanta.

John A. and Edwin Bellows have severed their connections with Ginn & Co., and have started in business for themselves in Chicago. They are located at 378-388 Wabash avenue. The Bellows Brothers are publishing the Stryker primary reading chart, adopted for exclusive use in the state of Missouri, the Speer primary chart of sense training and mathematics, by W. W. Speer, assistant superintendent of Chicago schools, and the school library encyclopedia, bound in four volumes. These publications will be completed in about a month.

E. E. Smith, who served at one time as Western manager of D. C. Heath & Co., with offices at Chicago, and later as Southern manager at Atlanta, Ga., has retired from the field. At Chicago he was succeeded by W. S. Smyth. Mr. Smith was a



E. E. SMITH.

professor in the state university of Kentucky before entering the book business. He came to Chicago in 1887, and took charge of the Atlanta office in 1894. We have not yet learned Mr. Smith's plans, but a man of his intellectual culture, business capacity and successful experience is not likely to remain idle long. He has many friends in this section of the country, and to him THE SCHOOL BOARD JOURNAL extends its best wishes.

WHAT SHALL IT BE?

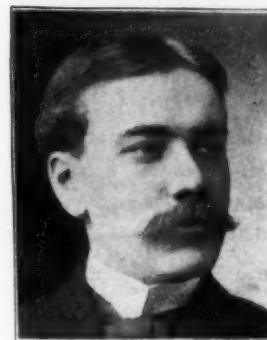
E. D. Burbank, of Des Moines, Ia., representing Ginn & Co.: I do not consider the term "book agent" an appropriate one when applied to the representatives of the educational publishing houses, for the term has already acquired a special meaning, namely the agents for subscription books. It has been customary among us to speak of ourselves as "bookmen," and I notice that many school men use the same term in order to distinguish the two classes of agents to which reference has been made. I think that the term "book advocate" would be an appropriate one and certainly preferable to "book agent." I fear, however, that it would be difficult to get the term into general use. The term "agent" has been so long used to indicate certain employees in many lines of business, such as publishing, in-

surance, etc., that the term "book agent" would be most natural and appropriate had it not already unfortunately acquired an objectionable meaning.

F. H. Loomis, agent Werner School Book Co.: "I believe the title of "book agents" a very appropriate one for men in our profession; that is what we are. I do not believe "book advocates" would prove more satisfactory. People would think we were ashamed of our jobs. I can suggest no more appropriate title than "book agent." So far as I have been I find that people do not associate the school book agent with the house-to-house canvasser. "School book agent" might be a more appropriate title but it is too long. So long as I am in the business I am willing to be designated in the same old-fashioned way, and would rather run the risk of being taken occasionally for a book canvasser, than to attempt the explanation of "book advocate."

J. C. Scott, of Carbondale, Ill., representing the American Book Co.: "It is difficult to regulate the title of "book agent." I think the proper title would be "educational publishers' agents;" but would likely be objected to as too much title.

Hugh A. Foresman, of Scott, Foresman & Co., Chicago: I have read with much interest the



HUGH A. FORESMAN,
Scott, Foresman Co.,
Chicago.

articles in your paper in regard to a suitable title for the members of our profession. It would seem to me that the best way to distinguish a school book representative from the regular subscription book agent, would be to use the word "school," either saying: "School book agent" or "school book advocate," if that is supposed to be better. Anyone who solicits business is an agent,

and I have no objection to being called a "school book agent." If the general public would understand that "book advocate" meant "school book agent," I think I should prefer that name.

John Keynton, a trusted representative of the University Publishing Company, New York, died Thursday evening, May 26th. He was still in the prime of life. He was a gentleman of scholarly attainments, warm hearted, and sympathetic to a fault. He was the author of some very popular songs, entitled "There's Another Bright Star for Old Glory," "Cuba shall be Free," "Counting Baby's Toes," etc. The funeral services were held on Sunday afternoon May 29th, and the remains taken to Poughkeepsie for interment.



To the School Public:

In reply to inquiries, will state that the editors of the Standard Literature Series have given us the following gradings for the use of this Series in the Public Schools:

The Spy,	6th and 7th years.
The Pilot,	" "
Rob Roy,	" "
The Alhambra,	" "
Christmas Stories,	5th and 6th years.
Enoch Arden,	6th " 7th "
Kenilworth,	6th " 7th "
The Deerslayer,	5th " 6th "
Lady of the Lake,	" " 8th "
Horse-Shoe Robinson,	6th " 7th "
The Prisoner of Chillon,	8th and High School.

Harold,	8th years.
Gulliver's Travels,	6th and 7th "
Paul Dombey,	6th " 7th "
Twice Told Tales,	7th " 8th "
A Wonder-Book,	5th " 6th "
Sketch-Book,	7th " 8th "
Ninety-three,	7th "
Two Years before the Mast,	6th "
Snow Image,	5th "
Evangeline,	7th and 8th years and High School.
Little Nell,	6th and 7th years.

Knickerbocker Stories,	7th and 8th years.
Ivanhoe,	7th "
Robinson Crusoe,	3d " 4th "
Poems of Knightly Adventure,	8th and High School.
Water Witch,	7th year.
Tales of a Grandfather,	6th "
Last of the Mohicans,	7th "
Pilgrim's Progress,	5th "
Black Beauty,	4th "

UNIVERSITY PUBLISHING COMPANY,

43-47 East Tenth Street, NEW YORK.

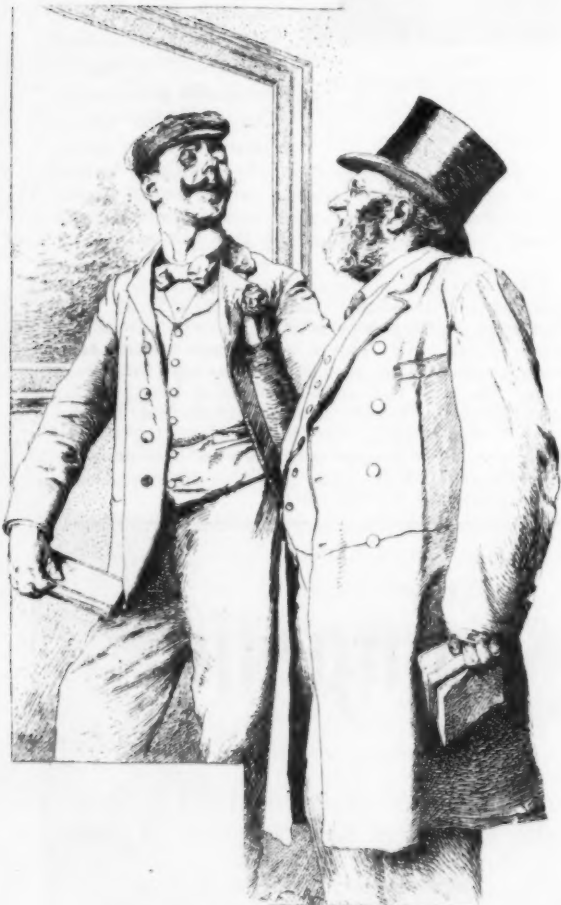
A Tonic

For Brain-Workers, the Weak and Debilitated.

Horsford's Acid Phosphate is, without exception, the Best Remedy for relieving Mental and Nervous Exhaustion; and where the system has become debilitated by disease, it acts as a general tonic and vitalizer, affording sustenance to both brain and body.

Dr. E. Cornell Esten, Philadelphia, Pa., says: "I have met with the greatest and most satisfactory results in dyspepsia and general derangement of the cerebral and nervous systems, causing debility and exhaustion."

Descriptive pamphlet free on application to
Rumford Chemical Works, Providence, R. I.
Beware of Substitutes and Imitations.
For Sale by all Druggists.



STUDENT: Do you think the North Pole will ever be discovered?

PROFESSOR: Not as long as people are willing to pay to hear men tell how they didn't find it.

In a western school a little fellow was called up to read for the County superintendent, who was paying the school a visit. The boy was a good reader in all respects but one—he gave absolutely no heed to punctuation marks. When he had finished the superintendent said: "Willie, where are your pauses?" Willie dropped his book and held up both hands. "Here they are, sir," he said.

An editor in Nebraska visited the school ma'am and found her "hot stuff." Here's what he swears to: "She is the pride of the town, the star of invention, and a jewel of brilliancy. She drew a picture of an iceberg on the blackboard. It was so natural that the thermometer froze up solid. With rare presence of mind she seized a crayon and drew a fireplace on the opposite wall. The prompt action saved the school, but nearly all the pupils caught a severe cold from the sudden changes."



Patriots All.

"What's the row among the seniors, professor?"

"Each and every one of them is bent on having a graduation oration about Dewey's victory."

WALLACE: The happiest hours of my life were when I was going to school.

FERRY: I cannot tell a lie. My happiest hours came when school was over for the day.

The following is from the pencil of Supt. F. B. Hawes, Olympia, Wash.

YANKEE DEWEY DANDY.

Oh, say, what did our Dewey do;
Go tell it to the King, sir,
Our Dewey met the Spanish fleet
And didn't do a thing, sir.

CHORUS.

What did Yankee Dewey do?
Yankee Dewey Dandy,
Yankee Dewey downed the Dons
And did it mighty handy,
etc. etc.

An Enemy to Spain.

"Johnny's teacher sent him home."

"What was the trouble?"

"She said in her note that he didn't do a thing in school but whistle daggers and draw war maps."

A Theory.

"Why is it that most great educators write such poor hands?"

"I think they do it so as to have an excuse for employing typewriters."

CAWKER: This war is affording opportunities for people to brush up their knowledge of geography.

CUMSO: Is it?

CAWKER: It is. Only yesterday Sprockets discovered that Hampton Roads weren't good for cycling.

Our School Day is a boom-
ing.
Our School Days are im-
proving.
Our School work is a boom-
ing.
And Uncle Sam's all right.
H. BREWSTER WILLIS.

700 KINDS OF LEAD PENCILS.

The Dixon Company make about 700 kinds of lead pencils.

Pencils of Many Shapes,
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Pencils for Drawing.
Pencils for All Purposes.

DIXON'S AMERICAN GRAPHITE PENCILS

Are standard and unequalled for smooth, tough leads. All schools are better schools when Dixon's pencils are used, as better work can be done as there is far less irritation of nerves. For further information, address

JOSEPH DIXON CRUCIBLE CO., JERSEY CITY, N. J.

TEACHER: Now, Johnny, who was Robinson Crusoe?

JOHNNY: He was de duck wot got a long term on de Island.

A Plausible Excuse.

A primary grade teacher in Cleveland was endeavoring to tell her little pupils the other day the story of Adam and Eve. She made quite a romance of it, telling with considerable graphic power of the fall of Eve, and the gradual way in which she was tempted.

"I've no doubt, children," she said, "that Eve told Adam stories about where she was going when she went down into the woods to meet the wicked serpent. Perhaps she said she was going to look for birds' eggs, or to pick some new flower, or to find a squirrel's nest. Always some new excuse, you see. And, of course, in such a beautiful new place there were ever so many charming things to attract attention. Now, what do you think Eve said she was going to see when she left Adam, Mabel."

Mabel was a true little woman.

"I fink," she replied, "that she said she was goin' to the dressmaker's."

"Where are you going, my pretty maid?"

"I'm going to graduate, sir," she said.

"May I go with you, my pretty maid?"

"I don't think you know enough, sir," she said.



A Theory.

GEORGE WASHINGTON: Am dat what yo' call a school of fish?

THOMAS JEFFERSON: I reckon it am.

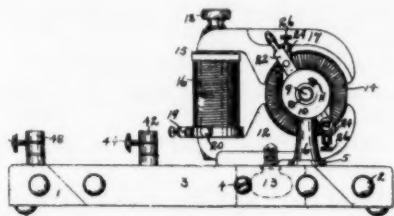
GEORGE WASHINGTON: Mebbe dat big fellah 's de teachah an' he's tellin' de odders not to bite at de hook.—Puck.

Maynard, Merrill & Co., Publishers of School Books. Catalogue Free.
48-47 E. 10th St., N. Y. Send for it.
H. I. SMITH, 5 SOMERSET ST., BOSTON. J. D. WILLIAMS, 151 WABASH AVE., CHICAGO.

Recent Patents.

ON SCHOOL SUPPLIES AND EQUIPMENT.

ELECTRICAL APPARATUS FOR SCHOOLS. Melvin E. Crowell, Indianapolis, Ind., assignor to the Crowell Apparatus Co.



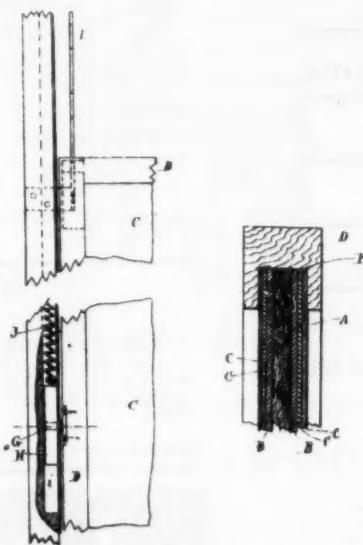
As an article of manufacture, apparatus for teaching electricity comprising a base-plate, a pillow block with a sleeve extending therefrom, an armature-shaft mounted in such pillow block and sleeve, a driving pulley mounted on such shaft, an armature adapted to be removably mounted on such shaft, a lower pole-piece with a pair of posts extending therefrom a pair of coils that fit over such posts and have suitable binding screws, an upper pole-piece detachably secured to the said posts on the lower pole-piece, a commutator, commutator brushes removably mounted on the pillow block sleeve, an L-shaped bar with one end secured to a sleeve adapted to be carried loosely on the armature shaft and having a key at its free end and a binding-screw at its other end, a clamping collar adapted to be mounted on the pillow block sleeve, a spiral spring surrounding the sleeve to which the L-shaped bar is attached and secured at one end to such collar and at the other end to the bar, an armature secured to the bar over the posts on the lower pole-piece, and a post mounted in the base-plate having two parallel arms one above and one below such L-shaped bar with a set-screw in the upper one, whereby a dynamo or telegraph-sounder may be made as desired.

CRAYON-HOLDER. Fannie M. Rugeley, Lampasas, Texas.



A crayon-holder comprising a tubular staff, a follower-staff adapted to be inserted within said tubular staff, a rack on the follower-staff, a dog attached to the tubular staff and adapted to engage with the rack of the follower-staff, the separate crayon-holding jaws having broad bearing-surfaces and connected by springs to the tubular staff.

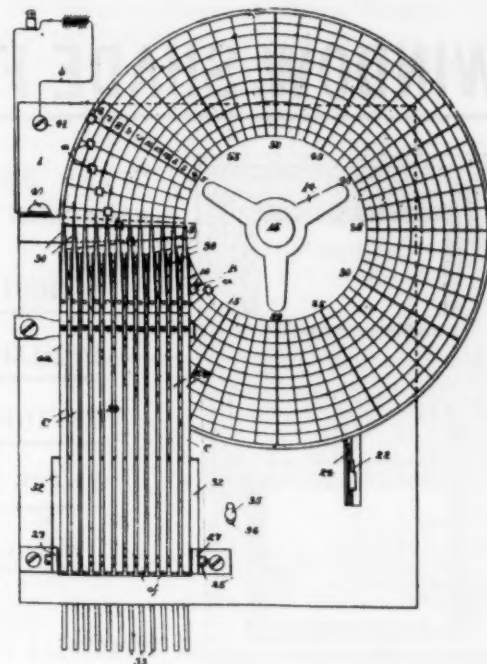
BLACKBOARD. Gottfried Glasmachers, Essen, Germany.



In a blackboard, the A, B, D, mounted by means of the pins G, in bearings H, which latter are guided in grooves i of the stand I, and suspended by means of contractile helical springs J, whereby the weight of the board is approximately balanced

in combination with the hooks and toothed racks for engaging said board, all arranged for joint operation.

ELECTRIC PROGRAM CLOCK. James O. Lyman, Waterbury, Conn.



A program-clock mechanism comprising an electric time-movement A, cam 5 upon the minute-shaft thereof, a lever 16 operated by said cam, connections with said lever for operating a cam-shaft, a series of cams upon said shaft, a series of fingers bearing arms to engage said cams and provided with weights to insure said engagement, a dial provided with suitable perforations and upon which the free ends of said fingers are designed to operate, a contact-plate behind said dial and in line with the free ends of the fingers aforesaid.

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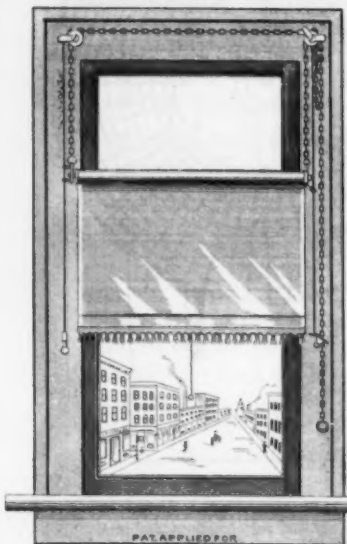


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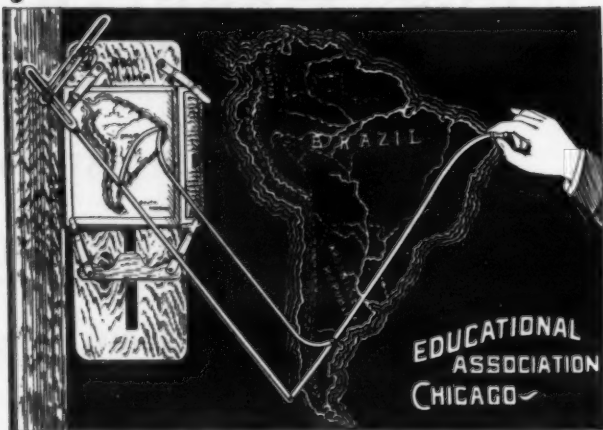
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Gents or Ladies, you can positively make \$5 to \$15 a day, at home or traveling, taking orders, using and selling Prof. Gray's Platers. Unequaled for plating watches, jewelry, tableware, bicycles, all metal goods. Heavy plate. Warranted. No experience necessary.

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WE TEACH YOU the art, furnish recipes, formulas and trade secrets FREE. Failure impossible.

THE ROYAL OUR NEW DIPPING PROCESS. Quick. Easy. Latest method. Goods dipped in melted metal, taken out instantly with finest, most brilliant plate, ready to deliver. Thick plate every time. Guaranteed 5 to 10 years. A boy plates from 200 to 500 pieces tableware daily. No polishing, grinding or work necessary.

DEMAND FOR PLATING IS ENORMOUS. Every family, hotel and restaurant have goods plated instead of buying new. It's cheaper and better. You will not need to canvass. Our agents have all the work they can do. People bring it. You can hire boys cheap to do your plating, the same as we, and solicitors to gather work for a small per cent. Replating is honest and legitimate. Customers always delighted.

WE ARE AN OLD ESTABLISHED FIRM. Been in business for years. Know what is required. Our customers have the benefit of our experience.

WE ARE RESPONSIBLE and Guarantee Everything. Reader, here is a chance of a lifetime to go in business for yourself. WE START YOU. Now is the time to make money. WRITE TO-DAY. Our New Plan, Samples, Testimonials and Circulars FREE. Don't wait. Send us your address anyway. Address.

H. T. GRAY & CO. PLATING WORKS, 505 ELM ST., CINCINNATI, OHIO.

[We recommend this Company as thoroughly reliable.]—EDITOR.

Two excursions to Texas each month via the Missouri, Kansas, and Texas Railway, at rate of one fare, plus two dollars for the round trip. Write H. A. Cherrier, No. 316 Marquette building, Chicago, Ill., for dates and further information concerning the same.

Kansas City, Mo. A recent hailstorm destroyed 628 window panes in the schools.

The advantage of the Tourist Sleeping Cars via the Missouri, Kansas, and Texas Railway, on their excursion dates. Write H. A. Cherrier, 316 Marquette building, Chicago, Ill.

THE SUPERINTENDENT.

Should have supervision of classification and grading of all schools.

Should visit schools often enough to know how each teacher is doing his work.

Should give most of his time to the schools and teachers that really need his aid.

Should advise teachers how to improve the work that is weak.

Should have the nomination of principals.

Should nominate all teachers where there is not a skillful supervising principal.

Should have the final word where principals nominate their teachers.

Should always meet with the school board at its session, and should be privileged to speak when he cares to do so.

Should always meet with the principals at their gatherings.

Should have regular office hours.

Should have competent clerical assistance.

Spokane, Wash. A. L. Robins Co., Chicago, furnished scientific apparatus used in the high school.

TRANSLATIONS.

INTERLINEAR.

HAMILTON, LOCKE AND CLARK'S.

Good Type—Well Printed—Fine Paper—Half-Leather Binding—Cloth Sides—Price reduced to \$1.50, postpaid. Send for sample pages.

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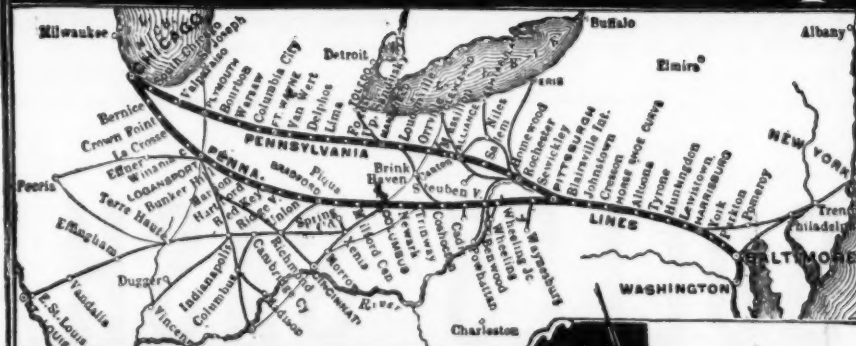
THE BEST TRANSLATIONS.

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Catalogue free—send for one.

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Midsummer
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Return Limit, July 15, with privilege to extend to Aug. 31



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School Furniture.

Enfield, N. H. The school board is taking quite an interest in the refurnishing of its schools and has recently placed an order with the Grand Rapids School Furniture Co. for a large number of automatic school desks.

Harbor Springs, Mich. The school board is so well pleased with the ball bearing automatic desk made by the Grand Rapids School Furniture Co. that it has placed an order with that company for a large number of additional desks.

Indianapolis, Ind. The contest for securing the contract for furnishing schools is ended, the contract for the main part of the order being awarded to the Grand Rapids School Furniture Co., who will furnish all the regular desks needed by the city schools during the year. A few desks of a special make were ordered from another concern. The school

board expresses itself as highly pleased with the workings of the ball bearing hinges; and was also more than favorably impressed with the general construction and finish of the desks made by the Grand Rapids School Furniture Co., and in placing its order with that company it was believing that it was securing the best desk offered to them.

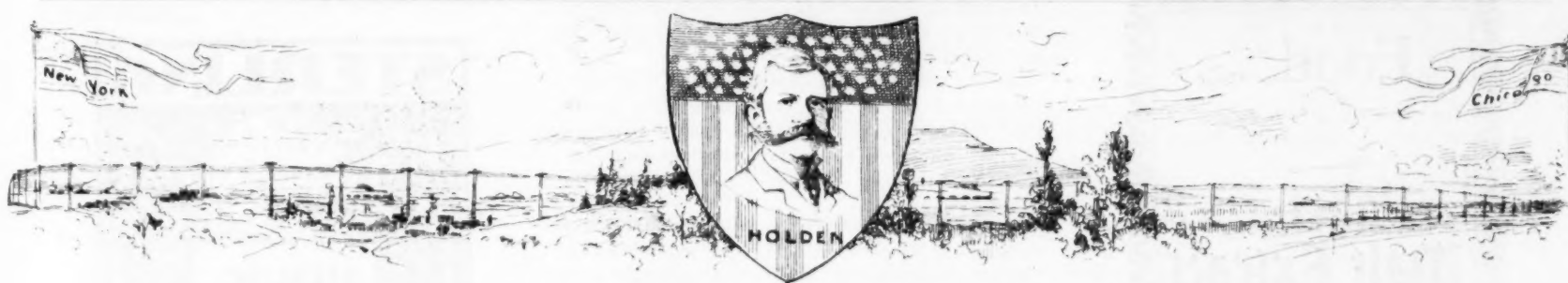
The Grand Rapids School Furniture Co. reports one of the most prosperous month's business in its career, and the indications for an immense year's business in the school furniture line were never as bright as now. One pleasing feature of the outlook is the fact that more attention is being paid by school officials to the quality of the school furniture. Heretofore, especially in the very large cities, price has too often been the main factor in the choice of school furniture. Also, in the larger cities, politics have had considerable influence. The current year thus far has been exceptionally

free from things of this kind. The city boards are examining desks more closely, paying less attention to price and more to quality and all of the large orders let thus far this year, have been free from any outside politics or other influence, except in one or two noticeable instances.

The Berkeley school, of Morris Heights, New York, has just placed an order with the Grand Rapids School Furniture Co. for 1,500 opera chairs to be used in its assembly hall.

St. Louis, Mo. The Barnes business college has recently been refitting their room, and has placed an order with the Grand Rapids School Furniture Co. for a large number of opera chairs with tablet arms, together with other furniture.

Plato Centre, Ill., is refurnishing its schools and has placed a nice order for ball bearing automatic school desks with the Grand Rapids School Furniture Co.



As many HOLDEN BOOK COVERS were in the hands of the school children last year as would reach from NEW YORK CITY to CHICAGO, laid down flat and TOUCHING EACH OTHER.

DON'T LET ANOTHER SCHOOL YEAR COMMENCE

WITHOUT ADOPTING THE

“Holden System for Preserving Books”

Comprising **BOOK COVERS** (plain finished leatherette, waterproof.)

SELF BINDERS (repairing broken bindings and loosened leaves.)

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IMPORTANT REMOVAL.

THE OLD AND FAMOUS HOUSE OF J. B. COLT & CO.
GOING FROM NASSAU STREET TO WEST TWENTY-
NINTH STREET, CORNER OF FIFTH AVE.

Within a few years past, Fifth avenue has become one of the greatest thoroughfares in the world, and the very pick and cream of metropolitan trade is concentrated along its lines between Washington square and Central Park. Every department of trade is represented, and every now and again some important addition is made to the list of leading firms and companies there located.

A notable addition to the list of representative concerns doing business in the district referred to is that of J. B. COLT & Co., who for many years have been located on Nassau street, near Ann street,



ELMER E. HERSHBERGER.
Re-elected President
School Board,
Tiffin, O.



DR. E. A. DONELAN.
Re-elected President
School Board,
St. Joseph, Mo.

but who moved May 1st, to Nos. 3, 5 and 7 West Twenty-ninth street, corner of Fifth avenue, where they will have considerably more room than heretofore, in a very much better neighborhood, and with very much better facilities of all kinds.

As but few readers of this paper will need to be informed, J. B. Colt & Co. are the leading firm in the United States engaged in the manufacture and sale, at wholesale and retail, of educational and scientific projection apparatus, electric focussing lamps, etc.

Since acetylene gas became a factor in illuminating work, Messrs. Colt & Co. have made a special feature of acetylene generators, and for such appliances they are now recognized as headquarters also. They have very completely equipped acetylene gas show rooms at 125 West Twenty-seventh street, corner of Broadway, where the capabilities of the new illuminant are being fully set forth to a multitude of visitors every day.

The business of the house was originally founded in 1870 by Mr. James Bennett Colt, the present senior partner. In 1888 Mr. Charles Goodyear became a partner, and these two gentlemen constitute the present firm. The firm have branches in Chicago and San Francisco and their business extends literally to all parts of the country.

Irish's "American and British Authors" has recently been adopted at Newbury, Indian Territory; Bethany college, Bethany, W. Va.; Normal department in Heidelberg University, Tiffin, O.; and Barboursville college, Barboursville, W. Va.

The excursions to Texas each month via the Missouri, Kansas, and Texas Railway, at rate of one fare, plus two dollar for the round trip.

Write H. A. Cherrier, No. 316 Marxuette building, Chicago, Ill., for dates and further information concerning the same.

Tacoma, Wash. The presidency of the board of education is occupied by Dr. Ella J. Fifield, who is admirably adapted to fulfill the duties incumbent with the office.

Rockville, Kan. The secretary of the school board is also mayor of the city, postmaster, justice of the peace, and a real estate, insurance, and collecting agent.

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for the weak, sick body should be easy of digestion, if it is to do good.

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Mr. Seymour Eaton, Hon. W. W. Stetson,
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NEW SCHOOL BUILDINGS.

Colorado Springs, Colo. Architects Barber & Hastings are preparing plans for a school house to be 56x72 ft. Cost \$16,000.

East Hartford, Conn. A new \$7,000 school.

Hartford, Conn. Architect G. B. Rogers has completed plans for a ten-room and assembly hall addition to the Washington street school.

Columbus, Ga. A new brick school.

Joliet, Ill. The board of education has purchased a site 66 x 160 ft., upon which to erect a new school.

Iroquois, Ill. A new \$1,000 school.

Golden, Ill. A new \$6,000 school.

Rockford, Ill. Bids for the construction of new Sixth Ward school asked for.

Chicago, Ill. Write Normand S. Patton, architect, 1117 Schiller building, regarding construction of new building.

Carpentersville, Ill. A new eight room school is to be erected.

Morris, Ill. The board of education of district No. 1, twp. No. 33, r. 7, will erect a new high school according to plans and specifications prepared by F. S. Allen, architect, Joliet, Ill.

Evanston, Ill. A new \$10,000 school to be built soon. Contract let.

Marseilles, Ill. A new four-room school is being erected.

Yorktown, Ind. Work on an eight-room school will soon commence.

South Bend, Ind. Contract for building new school awarded. Total cost, \$23,227.

Monticello, Ind. An addition is being made to high school.

New Liberty, Ia. A new school.

Murray, Ia. It is contemplated to build a new school.

Glenwood, Ia. A new \$14,000 high school.

Idagrove, Ia. Write John L. Blakley, president board of education, regarding new school.

Baltimore, Md. Architect J. E. Sperry, Herald bldg., has prepared plans for a school and gymnasium.

Worcester, Mass. An \$18,000 addition to school house on Cago street.

Detroit, Mich. Bids for the erection of a new \$30,000 school asked for.

Jackson, Mich. The city has voted to issue \$15,000 bonds to build a school house.

Comstock, Mich. A new school.

Hutchinson, Minn. Contract for erecting new school awarded.

Bird Island, Minn. A new six room school.

Brandon, Miss. A new four-room school.

Sedalia, Mo. Work on Franklin school has started.

Kansas City, Mo. The vote to issue \$300,000 of bonds for school buildings did not carry.

St. Louis, Mo. Write Wm. B. Ittner regarding the construction of new school buildings.

Winchester, Ind. The \$30,000 school house was destroyed by fire. Arrangements are being made for a new building.

Oakland Valley, Ia. A new school to be erected in the town of Popejoy.

Davis City, Ia. A new school house.

Clarion, Ia. An addition to school.

Whiting, Ia. A new school is in course of erection.

Bunkerhill, Kan. Plans for new school drawn.

Olathe, Kan. The people have voted \$15,000 of bonds for the erection of a new school.

Norfolk, Neb. A new school building.

Bayonne, N. J. Contracts for additions to two school buildings have been awarded.

Rochester, N. Y. Archt. Foster Kelly, Cox building, has drawn plans for a four-story school.

Little Falls, N. Y. A new high and grammar school to be erected.

Sheldon, N. D. A new four-room school.

Manfred, N. D. Write Tollef Roblev, clerk board of education, regarding erection of new school.

Sweltbriar, N. D. Bids for building new school asked for.

Lidgerwood, N. D. Bids for erecting new school asked for.

Church Ferry, N. D. Contract for construction of new school awarded.

Newton Falls, O. A new six-room school. Write Lewis Lowry, clerk board of education.

Norfolk, Neb. A new school building.

Beloit, O. An addition is being made to the old school.

Defiance, O. A new school to be erected in accordance with plans prepared by Archts. Chestney & Kelly, of Toledo.

Hamler, O. A new school.

Philadelphia, Pa. Archts. Milligan & Weber, 520 Walnut street, are preparing plans for a three-story school.

Arlington, Pa. Bids for erecting new school asked for.

Wilmerding, Pa. A new school.

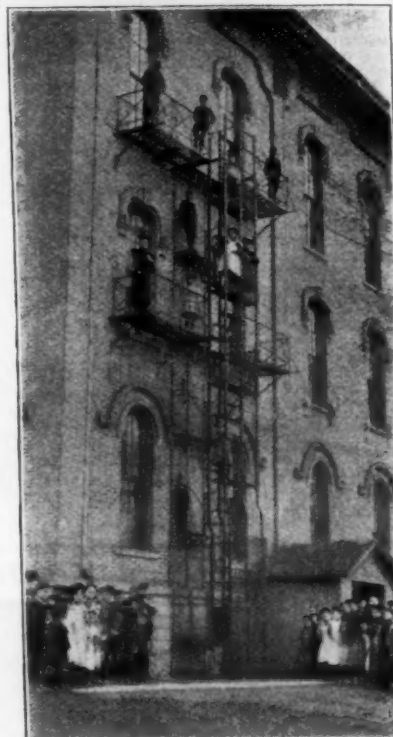
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DESCRIPTION OF STYLE 29.

7½ octaves.
Double lever, grand repeating action.
Grand scale, overstrung bass; three strings to each note in middle and treble registers.

The scale is the same as in grand pianos, with the largest size of sound board and strings of greatest length.

Tone.—The one great object for which a piano is made is its tone. The Wing Piano possesses magnificent tone-qualities, durability, sweetness, richness, power, singing quality and evenness.

Action.—The Wing action is patterned after the perfected double lever grand repeating action, to secure the greatest strength and power and greatest repeating qualities. Every note acts instantaneously and recovers promptly, ready for the repeat, so that after a note is

thus giving the greatest volume and power of tone.

Case.—Double veneered inside and outside.

Choice of superior Circassian walnut, rich figured mahogany, genuine quartered oak and ebonized.

Keys.—Of best ivory and ebony.

SPECIAL INFORMATION.

played the same note may be sounded again immediately without taking the finger from key.

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imitates perfectly the tones of the Mandolin, Guitar, Harp, Zither and Banjo. Music written for these instruments, with and without piano accompaniment, can be played just as perfectly by a single player on the piano as though rendered by a parlor orchestra.

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SENT ON TRIAL FREIGHT PREPAID. We will send this piano or your choice of four other styles, to any part of the United States on trial (all freight paid by us), allow ample time for a thorough examination and trial in the home, and, if the instrument is in any particular unsatisfactory, we will take it back at our own expense. No conditions are attached to this trial. We ask for no advance payment, no deposit. We pay all freights in advance. Our object in offering these terms is to give everyone an opportunity to examine the Wing Piano free of expense or risk.

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Directory

COLLEGE-BOOKS.

For the convenience of school officials contemplating or considering adoptions, this list has been carefully prepared. It represents the modern and progressive School and college text books of the day, adopted by the leading Boards of Education in the United States, and recognized by the best educational authorities

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Sanford's Elementary.....U. P. Co.
Nicholson's.....
Venable's Easy.....
Venable's High School.....
Collins' Text Book.....S. F. & Co.
Loomis.....A. B. C.
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Ray's Series.....
Robinson's Series.....
Bradbury's Ele.....T. B. & Co.
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A First Book in.....
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Practical.....M. M. & Co.
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Hall & Knight's Algebra
for Schools and Col.....
Hall & Knight's Higher.....
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Wilson's Elementary.....E. & Bro.

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Youngstown, O. The Pittsburg Steam Heating and Supply Company has contract to equip new school house with apparatus.

Watertown, Wis. The Smead system of heating and ventilating will be placed in the high school.

We desire to commend the fire escape law passed by the last general assembly of the state of Illinois, providing for the protection of the lives of the innocent children and the teachers in our schools. We note with approval the efficient and painstaking efforts of Mr. Louis Arrington, chief factory inspector, and his assistants, who are charged with the duty of making said law effective. We are also pleased to learn that the school boards in Illinois are disposed to act promptly under and recognize the wise provisions of said law. We do not know of anything more imperative than the necessity of providing ample provision for the protection of the lives of occupants of buildings in the event of fires, by adopting the best fire escapes obtainable. The recent loss of life in Chicago by the use of inadequate and improper fire escapes is an object lesson of which every one should take timely notice. The board of education of Oak Park, Illinois, have placed two stairs fire escapes on the south side of the Oak Park high school. The escapes were erected by The National Fire Escape Co.

Utica, N. Y. Commissioners Hughes, Brandegee, and Seimners, of the school board, went to Syracuse Thursday afternoon to inspect the Peck-Williamson system for ventilating closets, etc., which is in use in Syracuse public schools.

Superior, Wis. The committee on sites and buildings recommended that the board award the contract for the heating and ventilating plant of the Matt Carpenter school to the American Heating & Ventilating Co., of Chicago, for the sum of \$1,268. This report was adopted and the award ordered.

Utica. Contract to heat and ventilate new Free Academy was awarded to the Peck-Williamson Company of Cincinnati.

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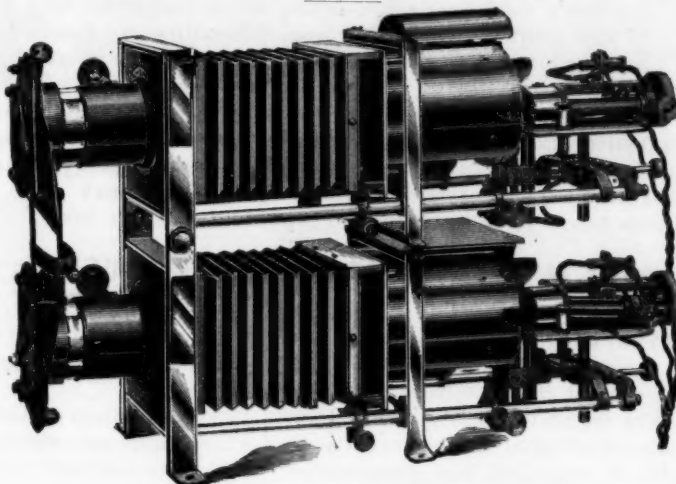
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Another prominent feature of this particular lamp is its adaptability to either direct or alternating current circuits. The change is quickly effected by altering the position of a spur wheel which thus modifies the rate of feed. The "Ideal" Projection Lantern is so constructed that the Arc Lamp can be removed at pleasure and an Incandescent Lamp or a lime light burner substituted for it. The fittings are interchangeable. This applies to double, as well as single lanterns, and is of great importance to all classes of

purchasers as it may be desirable to change from one system of illumination to another after the apparatus has been installed.

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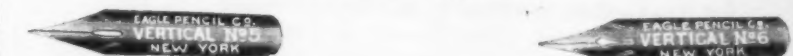
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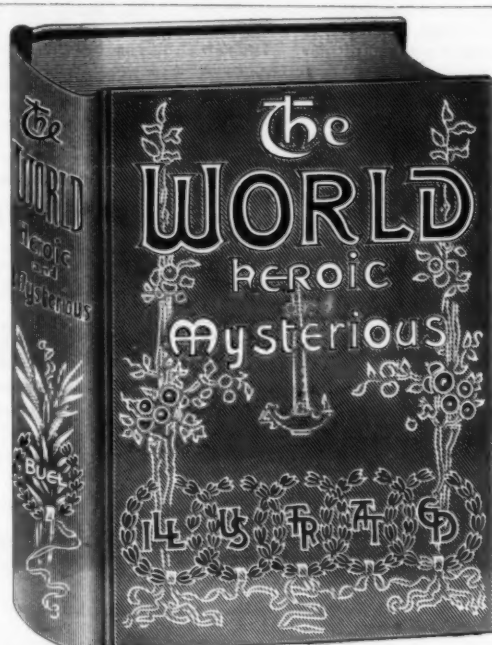
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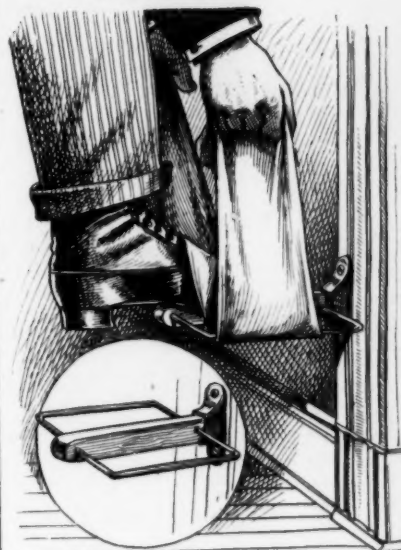
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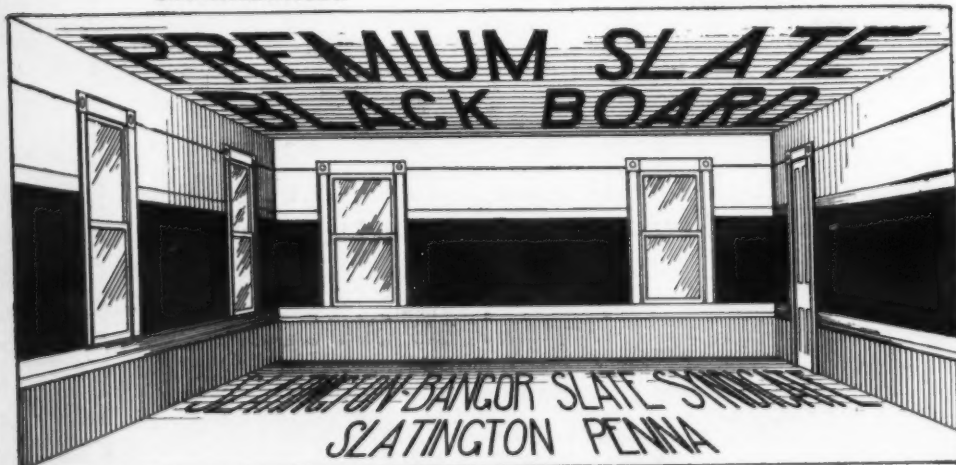
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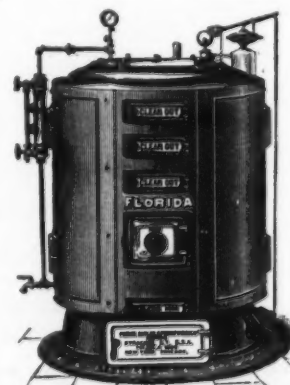
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